

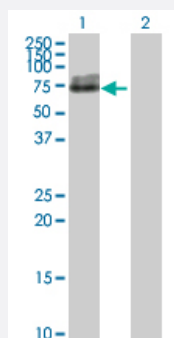
MaxPab®

# ALPL purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000249-D01P

Size 100 ug

## Applications

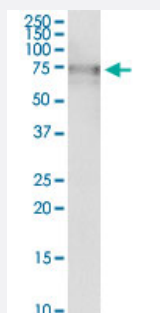


### Western Blot (Transfected lysate)

Western Blot analysis of ALPL expression in transfected 293T cell line ([H00000249-T01](#)) by ALPL MaxPab polyclonal antibody.

Lane 1: ALPL transfected lysate (57.30 kDa).

Lane 2: Non-transfected lysate.



### Immunoprecipitation

Immunoprecipitation of ALPL transfected lysate using anti-ALPL MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with ALPL purified MaxPab mouse polyclonal antibody (B01P) ([H00000249-B01P](#)).

## Specification

### Product Description

Rabbit polyclonal antibody raised against a full-length human ALPL protein.

### Immunogen

ALPL (NP\_000469.3, 1 a.a. ~ 524 a.a) full-length human protein.

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sequence</b>                      | MISPFLVLAIGTCLTNSLVPEKEKDPKYWRDQAQETLKYALELQKLNTNVAKNVIMFLGDGMGVST<br>VTAARILKGQLHHNPGEETRLEMDKFPFVALSKTYNTNAQVPDSAGTATAYLCGVKANEGTVGV<br>AATERSRCNTTQGNEVTSILRWAKDAGKSVGVTTRVNHATPSAAYAHSAADRWDWSDNEMPPE<br>ALSQGCKDIAYQLMHNIRDIDVIMGGGRKYMYPKNKTDVEYESDEKARGTRLDGLDLVDTWKSFK<br>PRYKSHSHFIWNRTELLTDPHNVDYLLGLFEPGDMQYELNRNNVTDPSLSEMVVVAIQLRKNPKG<br>FFLLVEGGRIDHGHHEGKAKQALHEAVEMDRAIGQAGSLTSSSEDTLTVVTADHSHVFTFGGYTPR<br>GNSIFGLAPMLSDTDKKPFTAILYGNPGYKVVGGGERENVSMVDYAHNNYQAQSAVPLRHETHG<br>GEDVAVFSKGPMAHLLHGVHEQNYVPHVMAYAACIGANLGHCAPASSAGSLAAGPLLLALALYP<br>LSVLF |
| <b>Host</b>                          | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Reactivity</b>                    | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Interspecies Antigen Sequence</b> | Mouse (91)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Quality Control Testing</b>       | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage Buffer</b>                | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage Instruction</b>           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Applications

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[Protocol Download](#)

- Immunoprecipitation

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[Protocol Download](#)

## Gene Info — ALPL

|                            |                                 |
|----------------------------|---------------------------------|
| <b>Entrez GeneID</b>       | <a href="#">249</a>             |
| <b>GeneBank Accession#</b> | <a href="#">ENST00000344573</a> |
| <b>Protein Accession#</b>  | <a href="#">NP_000469.3</a>     |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name          | ALPL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Alias         | AP-TNAP, FLJ40094, FLJ93059, HOPS, MGC161443, MGC167935, TNAP, TNSALP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Description   | alkaline phosphatase, liver/bone/kidney                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Omim ID            | <a href="#">146300</a> <a href="#">171760</a> <a href="#">241500</a> <a href="#">241510</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Gene Summary       | <p>There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The first three are located together on chromosome 2, while the tissue non-specific form is located on chromosome 1. The product of this gene is a membrane bound glycosylated enzyme that is not expressed in any particular tissue and is, therefore, referred to as the tissue-nonspecific form of the enzyme. The exact physiological function of the alkaline phosphatases is not known. A proposed function of this form of the enzyme is matrix mineralization; however, mice that lack a functional form of this enzyme show normal skeletal development. This enzyme has been linked directly to hypophosphatasia, a disorder that is characterized by hypercalcemia and includes skeletal defects. The character of this disorder can vary, however, depending on the specific mutation since this determines age of onset and severity of symptoms. Alternatively spliced transcript variants, which encode the same protein, have been identified for this gene. [provided by RefSeq]</p> |
| Other Designations | OTTHUMP00000002971 OTTHUMP00000002972 alkaline phosphatase, tissue-nonspecific isozyme alkaline phosphomonoesterase glycerophosphatase liver/bone/kidney-type alkaline phosphatase tissue non-specific alkaline phosphatase tissue-nonspecific ALP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

## Pathway

- [Folate biosynthesis](#)
- [gamma-Hexachlorocyclohexane degradation](#)
- [Metabolic pathways](#)

## Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Chondrocalcinosis](#)
- [Diabetes Complications](#)
- [Fractures](#)

- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Hypophosphatasia](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Spondylitis](#)
- [Tobacco Use Disorder](#)