

RecomAb™

# ALPP recombinant monoclonal antibody, clone R01-8I3

Catalog # RAB01991      Size 100 uL

## Applications



### Western Blot

Western blot analysis of HeLa lysates with ALPP recombinant monoclonal antibody, clone R01-8I3 (Cat # RAB01991).

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human ALPP.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against a synthetic peptide corresponding to human ALPP.
<b>Theoretical MW (kDa)</b>	Calculated MW: 58 kD
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

**Storage Instruction**

Store at -20 °C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western blot analysis of Hela lysates with ALPP recombinant monoclonal antibody, clone R01-8I3 (Cat # RAB01991).

## Gene Info — ALPP

**Entrez GeneID**[250](#)**Protein Accession#**[P05187](#)**Gene Name**

ALPP

**Gene Alias**

ALP, FLJ61142, PALP, PLAP

**Gene Description**

alkaline phosphatase, placental (Regan isozyme)

**Omim ID**[171800](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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, also referred to as the heat stable form, that is expressed primarily in the placenta although it is closely related to the intestinal form of the enzyme as well as to the placental-like form. The coding sequence for this form of alkaline phosphatase is unique in that the 3' untranslated region contains multiple copies of an Alu family repeat. In addition, this gene is polymorphic and three common alleles (type 1, type 2 and type 3) for this form of alkaline phosphatase have been well characterized. [provided by RefSeq]

**Other Designations**

alkaline phosphomonoesterase|glycerophosphatase|placental alkaline phosphatase

## Pathway

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

- [Metabolic pathways](#)

## Disease

- [Birth Weight](#)
- [Fetal Death](#)