

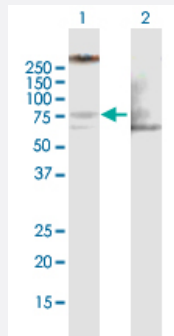
MaxPab®

# LIMK1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00003984-B01P

Size 50 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of LIMK1 expression in transfected 293T cell line ([H00003984-T01](#)) by LIMK1 MaxPab polyclonal antibody.

Lane 1: LIMK1 transfected lysate (71.17 kDa).

Lane 2: Non-transfected lysate.

## Specification

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description     | Mouse polyclonal antibody raised against a full-length human LIMK1 protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Immunogen               | LIMK1 (AAI52983.1, 1 a.a. ~ 647 a.a) full-length human protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sequence                | MRLTLLCCTWREERMGEEGSELPVCASCGQRIYDGQYLQALNADWHADCFRCCDCSASLSHQY<br>YEKDGQLFCKKDYWARYGESCHGCSEQITKGLVMVAGELKYHPECFICLTCTGTFIGDGDYTLVE<br>HSKLYCGHCYYQTVVTPVIEQILPDSPGSHLPHTVTLVSIPASSHGKRLSVSIDPPHGPPEGTE<br>HSHTVRVQGVDPGCMSPDVKNSIHVGDRILEINGTPIRNVPLDEIDLLIQETSRLLQLTLEHDPHDTL<br>GHGLGPETSPLSSPAYTPSGEAGSSARQKPVLRSCSIDRSPGAGSLGSPASQRKDLGRSESLRV<br>VCRPHRIFRPSDLIHGEVLGKGCFGQAIVKTHRETGEVMVMKELIRFDEETQRTFLKEVKVMRCLE<br>HPNVLKFIVGLYKDKRLNFITEYIKGGTLRGIKSMDSQYPWSQRVSFADKDIASGMAYLHSMNIHRDL<br>NSHNCLVRENKNVVVADFGRLARLMVDEKTQPEGLRSLKKPDRKKRYTVVGNPYWMAPEMINGR<br>SYDEKVDVFSFGMLCEIIGRVNADPDYLPRTMDFGLNVRGFLDRYCPNCPSPFFPITVRCCDLD<br>PEKRPSFVKLEHWLETLMHLAGHLPLGPQLEQLDRGFWEYRRGESGLPAHPEVPD |
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Quality Control Testing | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Storage Buffer          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Storage Instruction

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

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[Protocol Download](#)

## Gene Info — LIMK1

Entrez GeneID [3984](#)

GeneBank Accession# [BC152982](#)

Protein Accession# [AA152983.1](#)

Gene Name LIMK1

Gene Alias LIMK

Gene Description LIM domain kinase 1

Omim ID [601329](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

There are approximately 40 known eukaryotic LIM proteins, so named for the LIM domains they contain. LIM domains are highly conserved cysteine-rich structures containing 2 zinc fingers. Although zinc fingers usually function by binding to DNA or RNA, the LIM motif probably mediates protein-protein interactions. LIM kinase-1 and LIM kinase-2 belong to a small subfamily with a unique combination of 2 N-terminal LIM motifs and a C-terminal protein kinase domain. LIMK1 is likely to be a component of an intracellular signaling pathway and may be involved in brain development. LIMK1 hemizygosity is implicated in the impaired visuospatial constructive cognition of Williams syndrome. [provided by RefSeq]

**Other Designations** LIM motif-containing protein kinase|OTTHUMP00000025066

## Pathway

- [Axon guidance](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Regulation of actin cytoskeleton](#)

## Disease

- [Brain Ischemia](#)
- [Cerebral Hemorrhage](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Genetic Predisposition to Disease](#)
- [Intracranial Aneurysm](#)
- [Metabolic Syndrome X](#)
- [Renal Insufficiency](#)
- [Stroke](#)
- [Werner syndrome](#)