

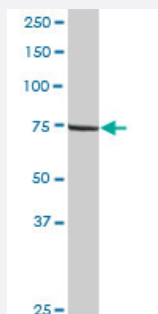
MaxPab®

LIMK2 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00003985-D01P

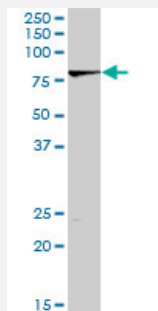
Size 100 ug

Applications



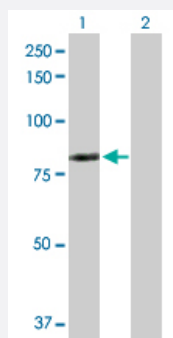
Western Blot (Tissue lysate)

LIMK2 MaxPab rabbit polyclonal antibody. Western Blot analysis of LIMK2 expression in human liver.



Western Blot (Tissue lysate)

LIMK2 MaxPab rabbit polyclonal antibody. Western Blot analysis of LIMK2 expression in mouse kidney.



Western Blot (Transfected lysate)

Western Blot analysis of LIMK2 expression in transfected 293T cell line ([H00003985-T01](#)) by LIMK2 MaxPab polyclonal antibody.

Lane 1: LIMK2 transfected lysate(77.90 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human LIMK2 protein.

Immunogen	LIMK2 (NP_001026971.1, 1 a.a. ~ 686 a.a) full-length human protein.
Sequence	MGSYLSVPAYFTSRDLFRCSECQDSL TNWYYEKDGKLYCPKDYWGKFGFCHGCSLLMTGPFM VAGEFKYHPECFACMSCKVIIEDGDAYALVQHATLYCGKCHNEVVLAPMFERLSTESVQEQLPYS VTLISMPATTEGRRGFSVSVESACSNYATTVQVKEVNRMHISPNNRNAIHPGDRILEINGTPVRTLR VEEVEDAISQTSQTLQLLIEHDPVSQRDLQRLRLRLAPMHMQNAGHPHALSTLDTKENLEGLRRR SLRRSNSISKSPGPSSPKEPLLFSRDISRSESLRCSSSYSQQIFRPCDLIHGEVLGKGFFGQAIKVT HKATGKVMVMKELIRCDEETQKTFLTEVKVMRSLDHPNVLKFIGVLYKDKKLNLLTEYIEGGTLKDF LRSMDFPFWQQKVRFAKGIASGMAYLHSMCIHRDLNSHNCLIKLDKTVVVADFGLSRLIVEERKR APMEKATTKRTLRLKNDRKKRYTVVGNPYWMAPEMLNGKSYDETVDIFSFGVLCIIGQVYADPD CLPRTLDFGLNVKLFWEKFVPTDCPPAFFPLAAICCRLEPESRAPPGAAGEGPGCADDEGPVR RQGKVTIKYDPKELRKHLNLEEWILEQLTRLTYDCQEEEEISELEIDVDELDMESDDAWASRVKELL VDCYKPTEAFISGLLDKIRAMQKLSTPQKK
Host	Rabbit
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (95); Rat (95)
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.

Applications

- Western Blot (Tissue lysate)

LIMK2 MaxPab rabbit polyclonal antibody. Western Blot analysis of LIMK2 expression in human liver.

[Protocol Download](#)

- Western Blot (Tissue lysate)

LIMK2 MaxPab rabbit polyclonal antibody. Western Blot analysis of LIMK2 expression in mouse kidney.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of LIMK2 expression in transfected 293T cell line ([H00003985-T01](#)) by LIMK2 MaxPab polyclonal antibody.

Lane 1: LIMK2 transfected lysate(77.90 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — LIMK2

Entrez GeneID [3985](#)

GeneBank Accession# [NM_001031801.1](#)

Protein Accession# [NP_001026971.1](#)

Gene Name LIMK2

Gene Alias -

Gene Description LIM domain kinase 2

Omim ID [601988](#)

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. The protein encoded by this gene is phosphorylated and activated by ROCK, a downstream effector of Rho, and the encoded protein, in turn, phosphorylates cofilin, inhibiting its actin-depolymerizing activity. It is thought that this pathway contributes to Rho-induced reorganization of the actin cytoskeleton. At least three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations -

Pathway

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

Disease

- [Azoospermia](#)
- [Infertility](#)

- [Kidney Failure](#)
- [Oligospermia](#)
- [Tobacco Use Disorder](#)