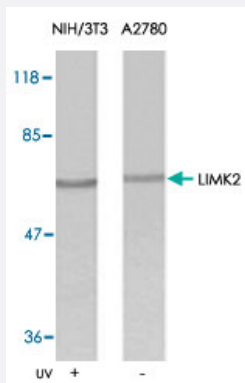


LIMK2 polyclonal antibody

Catalog # PAB26718 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from NIH/3T3 and A2780 cells untreated or treated with UV using LIMK2 polyclonal antibody (Cat # PAB26718).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of LIMK2.
Immunogen	A synthetic peptide corresponding to residues surrounding T505 of human LIMK2.
Sequence	R-Y-Tp-V-V
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity chromatography
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)

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 (Cell lysate)

Western blot analysis of extracts from NIH/3T3 and A2780 cells untreated or treated with UV using LIMK2 polyclonal antibody (Cat # PAB26718).

Gene Info — LIMK2

Entrez GeneID[3985](#)**Protein Accession#**[P53671](#)**Gene Name**

LIMK2

Gene Alias

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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

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Pathway

- [Axon guidance](#)

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

Disease

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