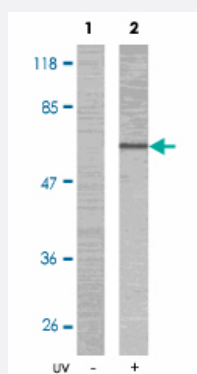


LIMK2 (phospho T505) polyclonal antibody

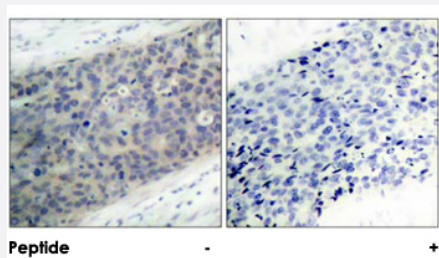
Catalog # PAB25375 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extract from NIH/3T3 cells treated or untreated with UV (60 min), using LIMK2 (phospho T505) polyclonal antibody (Cat # PAB25375).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using LIMK2 (phospho T505) polyclonal antibody (Cat # PAB25375).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of LIMK2.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding T505 of human LIMK2.
Sequence	R-Y-Tp-V-V
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid

Purification	Affinity purification
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-100) 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 extract from NIH/3T3 cells treated or untreated with UV (60 min), using LIMK2 (phospho T505) polyclonal antibody (Cat # PAB25375).

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Gene Info — LIMK2

Entrez GeneID	3985
Protein Accession#	P53671
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

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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](#)