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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

LIMK2 monoclonal antibody (M01), clone 2H2-E11

Catalog # : H00003985-M01

規格 : [100 ug]

List All

Specification

Product Description: Mouse monoclonal antibody raised against a full length recombinant LIMK2.

Immunogen: LIMK2 (AAH13051.1, 1 a.a. ~ 686 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

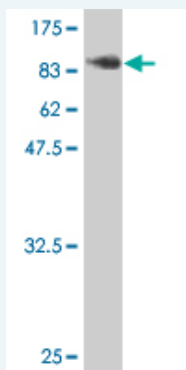
Sequence:
 MGSYLSVPAYFTSRDLFRCECQDSL TNWYEEKDGKLYCPKDYWGKF
 GEFCHGCSLLMTGPFMVAGEFKYHPECFACMSCKVIIEDGDAYALVQHA
 TLYCGKCHNEVLPMPFERLSTESVQEQLPYSVTLISMPATTEGRRGFS
 VSVESACSNYATTVQVKEVNRMHISPNRNNAIHPGDRILEINGTPVRTLRLV
 EEEVEDAISQTSQTLQLLIEHDPVSQRDLQRLRLRLAPHMNQAGHPHALS
 TLDTKENLEGLRRRSLRRSNSISKSPGPSSPKEPLLSRDISRSESLRC
 SSSYSQQIFRPCDLIHGEVLGKGF FGQAIVTHKATGKVMVMKELIRCDE
 ETQKTFLTEVKVMRSLDHPNVLKFIGVLYKDKKLNLLTEYIEGGTLKDFLR
 SMDPFPWQQKVRFAKGIASGMAYLHSMCIHRDLNSHNCLIKLDKTVVVA
 DFGLSRLIVEERKRAPMEKATTKKRTLKNDRKKRYTVVGNPYWMAPE
 MLNGKSYDETVDIFSFGVLC EIIIGQVYADPDCLPRTLDFGLNVKLFWEKF
 VPTDCPPAFFPLAAICCRLEPESRAPPGAAGEGPGCADDEGPVRRQ GK
 VTIKYDPKELRKHLNLEEWILEQLTRLYDCQEEEEISELEIDVDELDMESD
 DAWASRVKELLVDCYKPT EAFISGLLDKIRAMQKLSTPQKK

Host: Mouse

Reactivity: Human

Isotype: IgG1 Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (101.0899 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

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

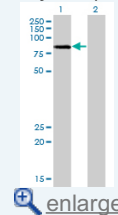
MSDS: [Download](#)

Datasheet: [Download](#)

Applications

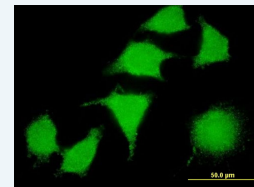
Application Image

Western Blot (Transfected lysate)

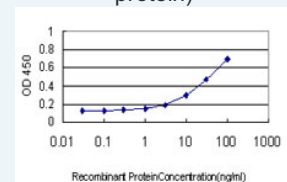


Western Blot (Recombinant protein)

Immunofluorescence

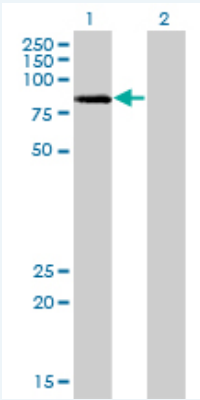


Sandwich ELISA (Recombinant protein)



ELISA

Western Blot (Transfected lysate)



Western Blot analysis of LIMK2 expression in transfected 293T cell line by LIMK2 monoclonal antibody (M01), clone 2H2-E11.

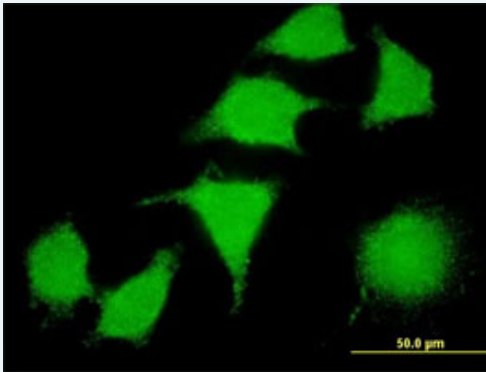
Lane 1: LIMK2 transfected lysate(72.232 KDa).
Lane 2: Non-transfected lysate.

[Protocol Download](#)

Western Blot (Recombinant protein)

[Protocol Download](#)

Immunofluorescence

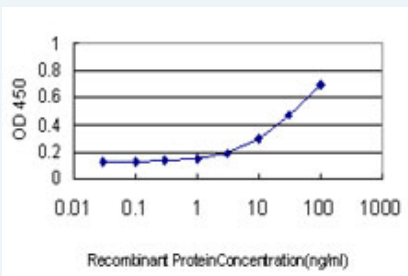


[enlarge this image](#)

Immunofluorescence of monoclonal antibody to LIMK2 on HeLa cell . [antibody concentration 10 ug/ml]

[Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged LIMK2 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [3985](#)

GeneBank [BC013051](#)

Accession#:

Protein [AAH13051.1](#)

Accession#:**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: -**Gene Pathway**[Axon guidance](#) [Fc gamma R-mediated phagocytosis](#) [Regulation of actin cytoskeleton](#)**Related Disease**[Azoospermia](#) [Infertility, Male](#) [Kidney Failure, Chronic](#) [Oligospermia](#) [Tobacco Use Disorder](#)