

For Research Use Only

LIMK1 Monoclonal antibody

Catalog Number: 67974-1-Ig **Featured Product**



Basic Information

Catalog Number:

67974-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG28862

GenBank Accession Number:

BC152982

GeneID (NCBI):

3984

UNIPROT ID:

P53667

Full Name:

LIM domain kinase 1

Calculated MW:

647 aa, 73 kDa

Observed MW:

65 kDa

Purification Method:

Protein A purification

CloneNo.:

2B11E9

Recommended Dilutions:

WB 1:2000-1:10000

IF 1:500-1:2000

Applications

Tested Applications:

IF/ICC, WB, ELISA

Species Specificity:

Human, rat, mouse, rabbit, pig

Positive Controls:

WB : HeLa cells, MCF-7 cells, SH-SY5Y cells, pig brain tissue, A431 cells, HEK-293 cells, rabbit brain tissue, rat brain tissue, mouse brain tissue

IF : HeLa cells,

Background Information

LIMK1, also named LIMK, belongs to the protein kinase superfamily and TKL Ser/Thr protein kinase family. LIMK1 is a protein kinase which regulates actin filament dynamics. Phosphorylates and inactivates the actin binding/depolymerizing factor cofilin, thereby stabilizing the actin cytoskeleton. Isoform 3 has a dominant negative effect on actin cytoskeletal changes. LIMK1 may be involved in brain development. The antibody has no cross-reaction with LIMK2.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

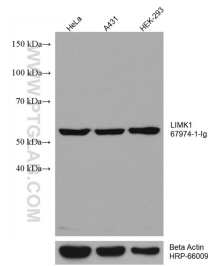
T: 4006900926

E: Proteintech-CN@ptglab.com

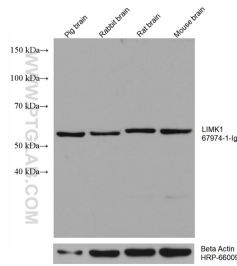
W: ptgcn.com

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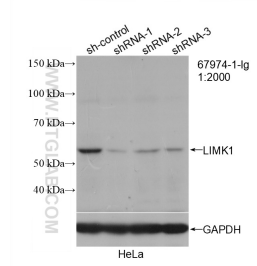
Selected Validation Data



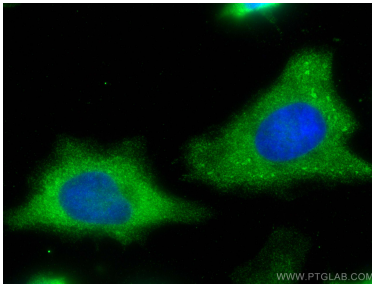
Various lysates were subjected to SDS PAGE followed by western blot with 67974-1-Ig (LIMK1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



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WB result of LIMK1 antibody (67974-1-Ig; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-LIMK1 transfected HeLa cells.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using LIMK1 antibody (67974-1-Ig, Clone: 2B11E9) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).