

For Research Use Only

# LASP1 Monoclonal antibody

Catalog Number: 68080-1-Ig

Featured Product

1 Publications



## Basic Information

Catalog Number:

68080-1-Ig

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG18101

GenBank Accession Number:

BC012460

GeneID (NCBI):

3927

ENSEMBL Gene ID:

ENSG00000002834

UNIPROT ID:

Q14847

Full Name:

LIM and SH3 protein 1

Calculated MW:

30 kDa

Observed MW:

35-38 kDa

Purification Method:

Protein A purification

CloneNo.:

1G4B6

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

Human

Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : A431 cells, HCT 116 cells, human peripheral blood platelets, PC-3 cells, HeLa cells

IHC : human liver cancer tissue, human breast cancer tissue

IF/ICC : A549 cells,

## Background Information

LASP1(LIM and SH3 protein 1), also known as MLN50, is a 261 amino acid protein that localizes to both the cytoplasm and the cytoskeleton(PMID: 7589475). LASP1 consists of an N-terminal LIM-domain with two zinc finger motifs, followed by two central actin-binding nebulin repeats, flanked by a linker region and a C-terminal SH3 domain (PMID: 17177073, 9848085). LASP-1 interacts with F-Actin and plays an important role in the regulation of Actin-associated cytoskeletal organization. Agonist-dependent changes in LASP1 phosphorylation may regulate Actin-related ion transport activities in epithelial cells (PMID: 15465019,12571245). Overexpression of LASP-1 is associated with breast cancer, and plays a role in tumor transformation and metastasis (PMID: 17956604).

## Notable Publications

Author	Pubmed ID	Journal	Application
Chong Yang	36670097	Cell Death Dis	WB

## 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

\*\*\* 20ul sizes contain 0.1% BSA

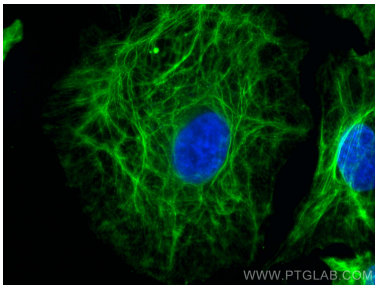
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

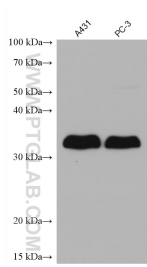
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

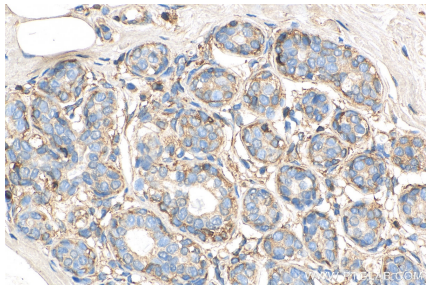
Selected Validation Data



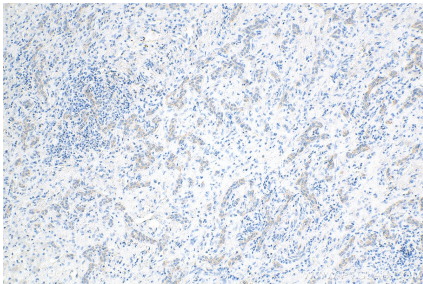
Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using LASP1 antibody (68080-1-Ig, Clone: 1G4B6) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



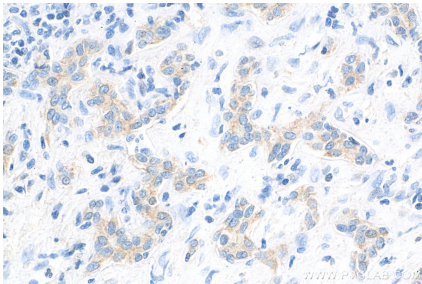
Various lysates were subjected to SDS PAGE followed by western blot with 68080-1-Ig (LASP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



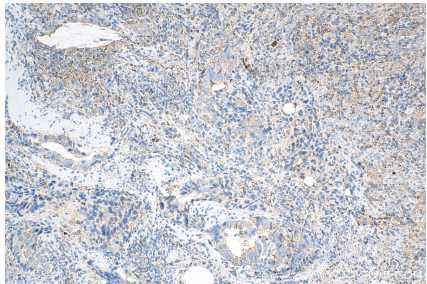
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 68080-1-Ig (LASP1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 68080-1-Ig (LASP1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 68080-1-Ig (LASP1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 68080-1-Ig (LASP1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).