

For Research Use Only

LASP1 Monoclonal antibody, PBS Only

Catalog Number: 68080-1-PBS

Featured Product



Basic Information

Catalog Number:

68080-1-PBS

Size:

100ug, Concentration: 1 mg/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

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human

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).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

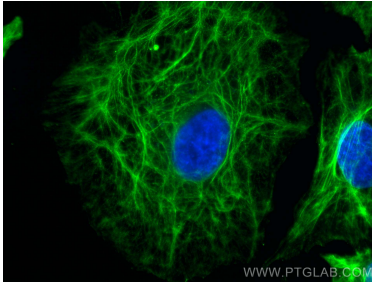
For technical support and original validation data for this product please contact:

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

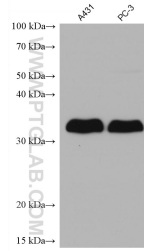
E: proteintech@ptglab.com
W: ptglab.com

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

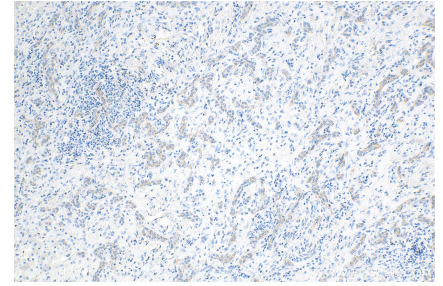
Selected Validation Data



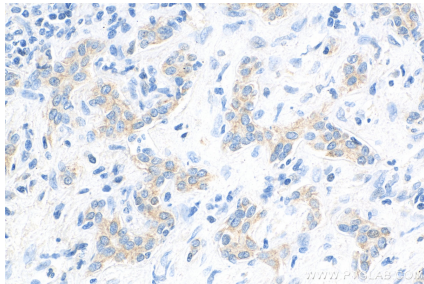
Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using LASP1 antibody (68080-1-Ig, Clone: 1G4B6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68080-1-PBS in a different storage buffer formulation.



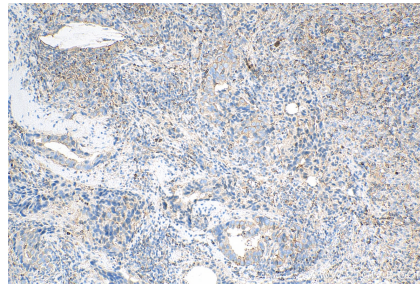
Various lysates were subjected to SDS PAGE followed by western blot with 68080-1-Ig (LASP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68080-1-PBS in a different storage buffer formulation.



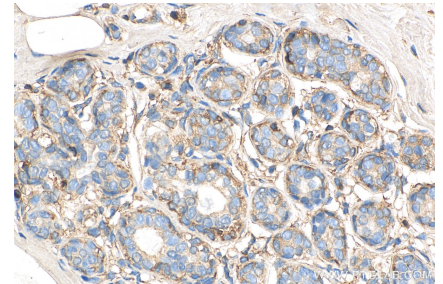
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 68080-1-Ig (LASP1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68080-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68080-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68080-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68080-1-PBS in a different storage buffer formulation.