

Anti-LASP1 Antibody
Catalog # ABO11099

Specification

Anti-LASP1 Antibody - Product Information

Application	WB, IHC, ICC
Primary Accession	Q14847
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for LIM and SH3 domain protein 1(LASP1) detection. Tested with WB, IHC-P, ICC in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-LASP1 Antibody - Additional Information

Gene ID 3927

Other Names

LIM and SH3 domain protein 1, LASP-1, Metastatic lymph node gene 50 protein, MLN 50, LASP1, MLN50

Calculated MW

29717 MW KDa

Application Details

Immunocytochemistry , 0.5-1 µg/ml, Human, Mouse, Rat
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat
Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization

Cytoplasm, cell cortex . Cytoplasm, cytoskeleton . Associated with the F- actin rich cortical cytoskeleton. .

Protein Name

LIM and SH3 domain protein 1(LASP-1)

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminus of human LASP1(16-30aa EKVNCLDKFWHKACF), identical to the related rat sequence and different from the related mouse sequence by one amino acid.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Contains 1 LIM zinc-binding domain.

Anti-LASP1 Antibody - Protein Information

Name LASP1

Synonyms MLN50

Function

Plays an important role in the regulation of dynamic actin- based, cytoskeletal activities. Agonist-dependent changes in LASP1 phosphorylation may also serve to regulate actin-associated ion transport activities, not only in the parietal cell but also in certain other F-actin-rich secretory epithelial cell types (By similarity).

Cellular Location

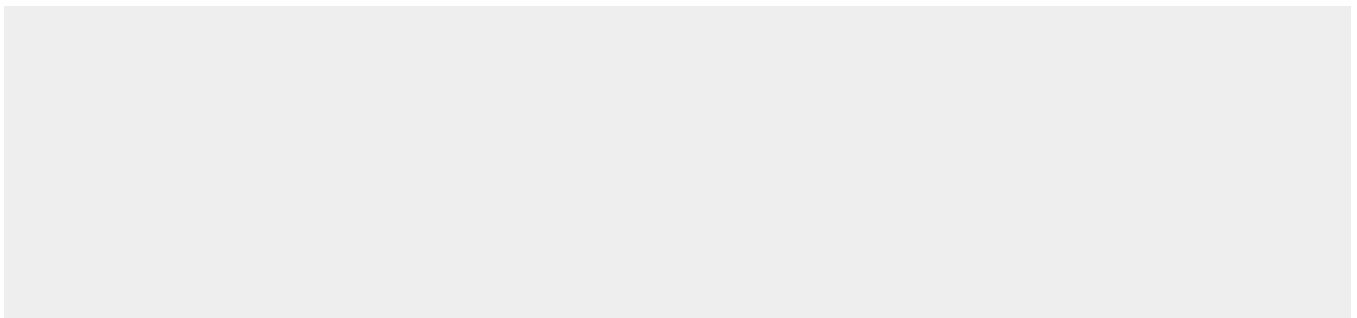
Cytoplasm, cell cortex. Cytoplasm, cytoskeleton. Note=Associated with the F-actin rich cortical cytoskeleton.

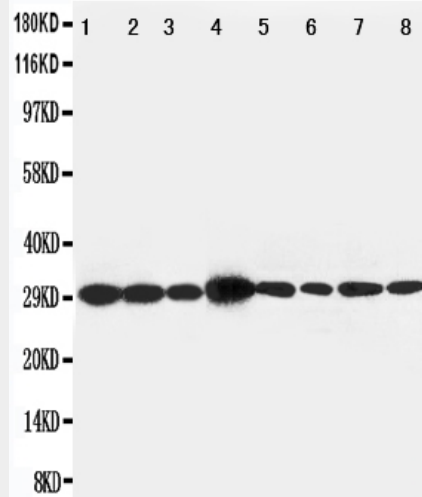
Anti-LASP1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

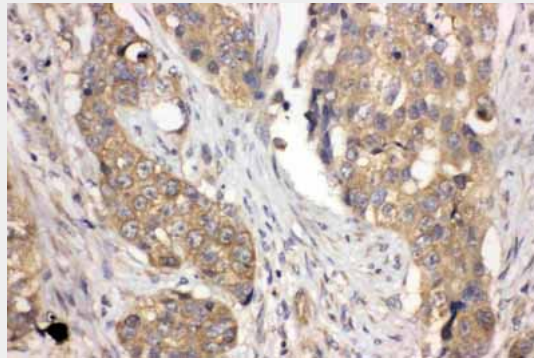
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-LASP1 Antibody - Images

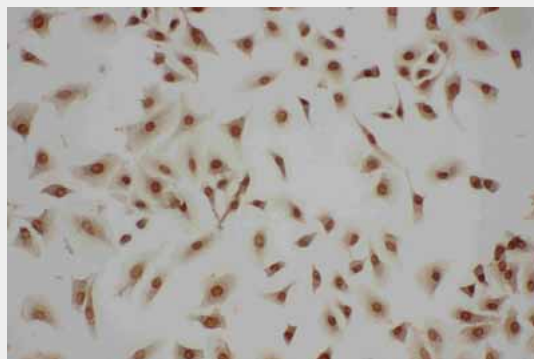




Anti-LASP1 antibody, ABO11099, Western blotting Lane 1: Rat Liver Tissue Lysate Lane 2: Rat Spleen Tissue Lysate Lane 3: Rat Intestine Tissue Lysate Lane 4: JURKAT Cell Lysate Lane 5: MCF-7 Cell Lysate Lane 6: A431 Cell Lysate Lane 7: HELA Cell Lysate Lane 8: 293T Cell Lysate



Anti-LASP1 antibody, ABO11099, IHC(P)IHC(P): Human Lung Cancer Tissue



Anti-LASP1 antibody, ABO11099, ICCICC: A549 Cell

Anti-LASP1 Antibody - Background

LASP1(LIM and SH3 domain protein 1), also known as LASP1, is a protein that in humans is encoded by the LASP1 gene. This gene encodes a member of a LIM protein subfamily which is characterized by a LIM motif and a domain of Src homology region 3. This protein functions as an actin-binding protein and possibly in cytoskeletal organization. LASP1 has been shown to interact with Zyxin. Tomasetto et al.(1995) mapped the LASP1 gene to chromosome 17q11-q21.3 by radioactive in situ hybridization. Northern blot analysis revealed that LASP1 mRNA was expressed at a basal level in all normal tissues examined and overexpressed in 8% of primary breast cancers. In most of these

cancers, LASP1 and ERBB2 were simultaneously overexpressed.