

Anti-LASP1 Antibody

Catalog # ABO11099

Product Information

Application	WB, IHC-P, 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.

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
Application Details	Immunocytochemistry , 0.5-1 μ g/ml, Human, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Mouse, Rat
Subcellular Localization	Cytoplasm, cell cortex . Cytoplasm, cytoskeleton . Associated with the F-actin rich cortical cytoskeleton. .
Source	Eukaryota
Protein Name	LIM and SH3 domain protein 1(LASP-1)
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
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.

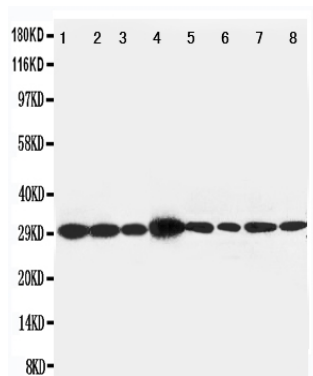
Protein Information

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.

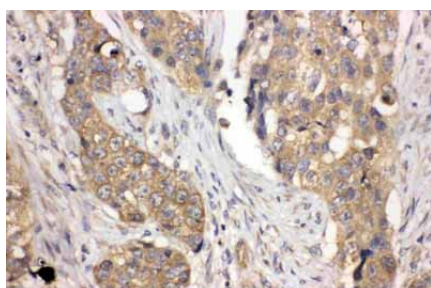
Background

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.

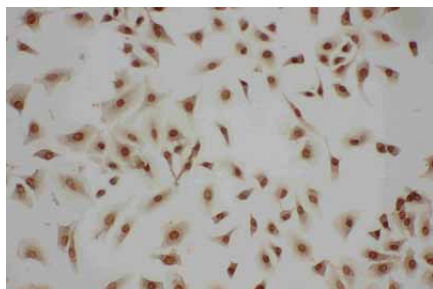
Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.