

Catalog # AF1613a

Goat Anti-LASP1 (N Terminus) Antibody Peptide-affinity purified goat antibody

## Specification

# Goat Anti-LASP1 (N Terminus) Antibody - Product Information

Application Primary Accession Other Accession Reactivity Predicted Host Clonality Concentration Isotype Calculated MW WB, E <u>Q14847</u> <u>NP\_006139</u>, <u>3927</u>, <u>16796 (mouse)</u>, <u>29278 (rat)</u> Human Mouse, Rat, Pig, Dog Goat Polyclonal 100ug/200ul IgG 29717

# Goat Anti-LASP1 (N Terminus) 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

**Dilution** WB~~1:1000 E~~N/A

Format

0.5 mg lgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions** Goat Anti-LASP1 (N Terminus) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Goat Anti-LASP1 (N Terminus) 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.

# Goat Anti-LASP1 (N Terminus) Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

## Goat Anti-LASP1 (N Terminus) Antibody - Images



AF1613a staining (0.1  $\mu$ g/ml) of Human Brain (Cerebellum) extracts (RIPA buffer, 35  $\mu$ g total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

## Goat Anti-LASP1 (N Terminus) Antibody - Background

This gene encodes a member of a LIM protein subfamily characterized by a LIM motif and a domain of Src homology region 3. The encoded protein functions as an actin-binding protein and possibly in cytoskeletal organization.

## Goat Anti-LASP1 (N Terminus) Antibody - References

Nuclear localisation of LASP-1 correlates with poor long-term survival in female breast cancer. Frietsch JJ, et al. Br J Cancer, 2010 May 25. PMID 20461080.

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success



genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.

Integrin-dependent translocation of LASP-1 to the cytoskeleton of activated platelets correlates with LASP-1 phosphorylation at tyrosine 171 by Src-kinase. Traenka J, et al. Thromb Haemost, 2009 Sep. PMID 19718473.

Proteomic identification of LASP-1 down-regulation after RNAi urokinase silencing in human hepatocellular carcinoma cells. Salvi A, et al. Neoplasia, 2009 Feb. PMID 19177205. LIM and SH3 protein 1 (Lasp1) is a novel p53 transcriptional target involved in hepatocellular carcinoma. Wang B, et al. J Hepatol, 2009 Mar. PMID 19155088.