10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Goat Anti-LYVE1 Antibody (internal region)

Purified Goat Polyclonal Antibody
Catalog # AF4228a

Specification

Goat Anti-LYVE1 Antibody (internal region) - Product Information

Application	**WB**
Primary Accession	Q9Y5Y7
Other Accession	NP_006682.2
Reactivity	**Human**
Predicted	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5**
Calculated MW	**35213**

Goat Anti-LYVE1 Antibody (internal region) - Additional Information

Gene ID 10894

Other Names
LYVE1; lymphatic vessel endothelial hyaluronan receptor 1; CRSBP-1; HAR; LYVE-1; XLKD1; cell surface retention sequence binding protein-1; cell surface retention sequence-binding protein 1; extracellular link domain containing 1; extracellular link domain-containing 1; extracellular link domain-containing protein 1; hyaluronic acid receptor; lymphatic vessel endothelial hyaluronic acid receptor 1

Format
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen
Peptide with sequence C-STETEPFVENK, from the internal region of the protein sequence according to NP_006682.2.

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-LYVE1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-LYVE1 Antibody (internal region) - Protein Information

Name LYVE1

Synonyms CRSBP1, HAR, XLKD1

Function
Ligand-specific transporter trafficking between intracellular organelles (TGN) and the plasma membrane. Plays a role in autocrine regulation of cell growth mediated by growth regulators containing cell surface retention sequence binding (CRS). May act as a hyaluronan (HA) transporter, either mediating its uptake for catabolism within lymphatic endothelial cells themselves, or its transport into the lumen of afferent lymphatic vessels for subsequent re-uptake and degradation in lymph nodes (PubMed:10037799). Binds to pericelluar hyaluronan matrices deposited on the surface of leukocytes and facilitates cell adhesion and migration through lymphatic endothelium (PubMed:26823460).

Cellular Location
Cell membrane; Single-pass type I membrane protein. Note=Localized to the plasma membrane and in vesicles near extranuclear membranes which may represent trans- Golgi network (TGN) and endosomes/prelysosomeal compartments. Undergoes ligand-dependent internalization and recycling at the cell surface Localizes at cell-cell junctions

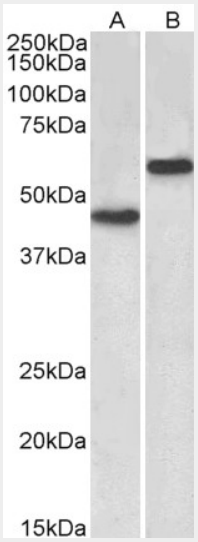
Tissue Location
Mainly expressed in endothelial cells lining lymphatic vessels.

Goat Anti-LYVE1 Antibody (internal region) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-LYVE1 Antibody (internal region) - Images



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AF4228a (2 µg/ml) staining of Human Cerebellum (A) and Liver (B) lysates (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-LYVE1 Antibody (internal region) - References

The interaction between LYVE-1 with hyaluronan on the cell surface may play a role in the diversity of adhesion to cancer cells. Du Y, Liu H, He Y, Liu Y, Yang C, Zhou M, Wang W, Cui L, Hu J, Gao F. PloS one 2013 8 (5): e63463.