

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	O9Y5Y7
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 CRSP1, 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 pericellular 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/prelysosomal compartments. Undergoes ligand-dependent internalization and recycling at the cell surface Localizes at cell-cell junctions

Tissue Location

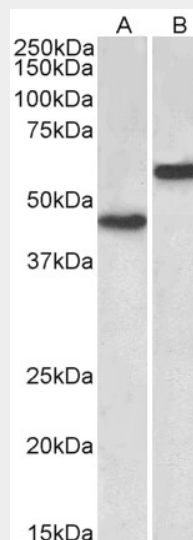
Mainly expressed in endothelial cells lining lymphatic vessels.

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 Cytometry](#)
- [Cell Culture](#)

Goat Anti-LYVE1 Antibody (internal region) - Images



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.