

LYVE1 (XLKD1) Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP2015b**Specification**

LYVE1 (XLKD1) Antibody (C-term) Blocking peptide - Product InformationPrimary Accession
Other Accession[O9Y5Y7](#)
[NP_006682](#)**LYVE1 (XLKD1) Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 10894**Other Names**

Lymphatic vessel endothelial hyaluronic acid receptor 1, LYVE-1, Cell surface retention sequence-binding protein 1, CRSBP-1, Extracellular link domain-containing protein 1, Hyaluronic acid receptor, LYVE1, CRSBP1, HAR, XLKD1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2015b](/product/products/AP2015b) was selected from the C-term region of human XLKD1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LYVE1 (XLKD1) Antibody (C-term) Blocking peptide - 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:<http://www.uniprot.org/citations/10037799> target="_blank">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.

LYVE1 (XLKD1) Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

LYVE1 (XLKD1) Antibody (C-term) Blocking peptide - Images**LYVE1 (XLKD1) Antibody (C-term) Blocking peptide - Background**

XLKD1 is a type I integral membrane glycoprotein. The encoded protein acts as a receptor and binds to both soluble and immobilized hyaluronan. This protein may function in lymphatic hyaluronan transport and have a role in tumor metastasis.

LYVE1 (XLKD1) Antibody (C-term) Blocking peptide - References

Jackson, D.G., Trends Cardiovasc. Med. 13(1):1-7 (2003).Cursiefen, C., et al., Invest. Ophthalmol. Vis. Sci. 43(7):2127-2135 (2002).Cunnick, G.H., et al., Biochem. Biophys. Res. Commun. 288(4):1043-1046 (2001).Mouta Carreira, C., et al., Cancer Res. 61(22):8079-8084 (2001).Banerji, S., et al., J. Cell Biol. 144(4):789-801 (1999).