

## anti-Mouse LYVE-1 Antibody | anti-LYVE-1 antibody

LYVE-1, Polyclonal Antibody, Rabbit

|                              |                            |                                                           |
|------------------------------|----------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA76464</b> | REACTIVITY<br><b>Mouse</b> | APPLICATIONS<br><b>Western Blot, Immunohistochemistry</b> |
|------------------------------|----------------------------|-----------------------------------------------------------|

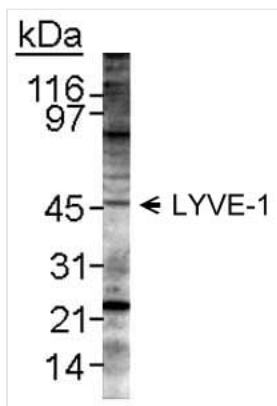
### PRODUCT SYNONYMS

LYVE-1; Polyclonal Antibody; Rabbit; anti-LYVE-1 antibody

### PRODUCT SPECIFICATIONS

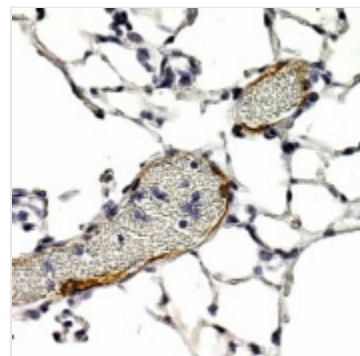
|                                                  |                                                                                                                    |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Reactivity                                       | Mouse                                                                                                              |
| Form/Format                                      | Affinity Purified - Liquid                                                                                         |
| Sequence Length                                  | 322                                                                                                                |
| Applicable Applications for anti-LYVE-1 antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                      |
| Type Info                                        | Rabbit IgG                                                                                                         |
| Immunogen                                        | A synthetic peptide made to a C-terminal portion of the murine LYVE-1 protein sequence (between residues 250-318). |

### IMAGES



#### Application Data

Image: Detection of LYVE-1 in mouse spleen lysates. ECL detection overnight.



#### Application Data

Images: LYVE-1 staining of endothelial cells of human lung blood vessels. Note presence of RBCs within vessel lumen.

### ADDITIONAL INFORMATION

#### Related Product Information for anti-LYVE-1 antibody

The lymphatic vasculature forms a second circulatory system that drains extracellular fluid from the tissues and provides an exclusive environment in which immune cells can encounter and respond to foreign antigen. Recently a number of interesting molecules have been identified that may be exploited as markers for lymphatic endothelium, including the hyaluronan receptor LYVE1, PALE, VEGFR3, and podoplanin. LYVE1 has been identified as a major receptor for HA (extracellular matrix glycosaminoglycan hyaluronan) on the lymph vessel wall. The deduced amino acid sequence of LYVE1 predicts a 322-residue type I integral membrane polypeptide 41% similar to the CD44 HA receptor with a 212-residue extracellular domain containing a single Link module, the prototypic HA binding domain of the Link protein superfamily. Like CD44, the LYVE1 molecule binds both soluble and immobilized HA. However, unlike CD44, the LYVE1 molecule colocalizes with HA on the luminal face of the lymph vessel wall and is completely absent from blood vessels. Hence, LYVE1 is the first lymph-specific HA receptor to be characterized and is a uniquely powerful marker for lymph vessels themselves.

|                                                    |        |
|----------------------------------------------------|--------|
| Product Categories/Family for anti-LYVE-1 antibody | LYVE-1 |
|----------------------------------------------------|--------|

## NCBI AND UNIPROT INFORMATION

|                                  |                                                         |
|----------------------------------|---------------------------------------------------------|
| NCBI GI #                        | 40549451                                                |
| NCBI GeneID                      | 10894                                                   |
| NCBI Accession #                 | NP_006682.2                                             |
| NCBI GenBank Nucleotide #        | NM_006691.3                                             |
| Molecular Weight                 | 35,213 Da                                               |
| NCBI Official Full Name          | lymphatic vessel endothelial hyaluronic acid receptor 1 |
| NCBI Official Synonym Full Names | lymphatic vessel endothelial hyaluronan receptor 1      |
| NCBI Official Symbol             | LYVE1                                                   |
| NCBI Official Synonym Symbols    | HAR; XLKD1; LYVE-1; CRSBP-1                             |
| NCBI Protein Information         | lymphatic vessel endothelial hyaluronic acid receptor 1 |
| UniProt Protein Name             | Lymphatic vessel endothelial hyaluronic acid receptor 1 |
| UniProt Gene Name                | LYVE1                                                   |
| UniProt Synonym Gene Names       | CRSBP1; HAR; XLKD1; LYVE-1; CRSBP-1                     |
| UniProt Entry Name               | LYVE1_HUMAN                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-antibody/lyve-1/76464>