

Anti-rat LYVE-1 antibody

Overview

Catalog #	11-036
Unit Size	100ug
Applications	IF
Host	rabbit
Price	\$300.00

Description:

LYVE-1 has been identified as a major receptor for HA (extracellular matrix glycosaminoglycan hyaluronan) on the lymph vessel wall. The deduced amino acid sequence of LYVE-1 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. LYVE-1 is the first lymph-specific HA receptor to be characterized. Later, LYVE-1 was reported to express in liver sinusoid blood vessels. However, in most tissues, LYVE-1 is a specific marker for lymph vessels. This antibody was raised against the extracellular domain of mouse LYVE-1 molecule in rabbit. It works well for both frozen and paraffin sections.

Host Species: Rabbit

Buffer: PBS

Formulation: Protein A purified rabbit IgG

Stability: The antibody is stable for at least six weeks at 2-4°C. It should be kept at -20°C for long-term storage. Avoid repeated freeze-thaw cycles.

Cross-Reactivity: The antibody with LYVE-1 in mouse and rat tissues.

Specificity: The antibody will detect rat LYVE-1 on the surface of lymphatic endothelial cells by immunohistochemistry (frozen and paraffin sections). The antibody detects a 70 KD LYVE-1 band in Western blotting.

Immunohistochemistry: Use at 5-10 µg/ml. A boiling/microwave step is recommended when staining paraffin embedded sections.

Western blotting: Use at a concentration of 1-2 µg/ml with the appropriate secondary reagents.

Optimal dilutions should be determined by each laboratory for each application.

Usage: This antibody is offered for research use only. Not for human use!