Product datasheet

Anti-LYVE1 antibody ab36993

Overview

Product name  Anti-LYVE1 antibody
Description  Rabbit polyclonal to LYVE1
Host species  Rabbit
Tested applications  Suitable for: WB, IHC-P, IHC-Fr, Flow Cyt
Species reactivity  Reacts with: Dog, Human
Immunogen  Recombinant fragment corresponding to Human LYVE1 aa 24-232. Recombinant human soluble LYVE1 fragment from insect cells (ab54341).
(Peptide available as ab54341)

Properties

Form  Lyophilised: Please reconstitute in sterile water to a concentration of 0.1-10mg/ml. When reconstituted the antibody is stable for at least two weeks at 2-8°C.
Storage instructions  Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer  pH: 7.20
Constituent: PBS
Purity  Immunogen affinity purified
Clonality  Polyclonal
Isotype  IgG

Applications

Our Abpromise guarantee covers the use of ab36993 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 35 kDa.</td>
</tr>
<tr>
<td>IHC-P</td>
<td>⭐⭐⭐⭐⭐</td>
<td>Use a concentration of 6 - 30 µg/ml.</td>
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**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.

**Tissue specificity**
Mainly expressed in endothelial cells lining lymphatic vessels.

**Sequence similarities**
Contains 1 Link domain.

**Post-translational modifications**
O-glycosylated.

**Cellular localization**
Membrane. 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.

**Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LYVE1 antibody (ab36993)**

**Application**

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<tr>
<td>IHC-Fr</td>
<td>⭐⭐⭐⭐⭐</td>
<td>Use a concentration of 6 - 30 µg/ml.</td>
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<tr>
<td>Flow Cyt</td>
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<td>Use a concentration of 3 - 10 µg/ml. ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.</td>
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</table>

**Images**

- IHC with paraffin-embedded sections of human intestine (border area of a colon carcinoma) using antibody ab36993.
The staining was performed on frozen sections from human colon carcinoma using ab36993 (polyclonal anti-human LYVE-1 antibody; protein-A purified; 10 µg/ml).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of lymphatic vessels of malignant canine mammary tumor tissue sections labelling LYVE1 with ab36993.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of lymphatic vessels of benign canine mammary tumor tissue sections labelling LYVE1 with ab36993.
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of lymphatic vessels of normal canine mammary tissue sections labelling LYVE1 with ab36993.

All lanes: Anti-LYVE1 antibody (ab36993)

Lane 1: Recombinant Human LYVE1 protein (ab54341)
Lane 2: Recombinant Mouse LYVE1 protein (ab54342)

Predicted band size: 35 kDa

Flow Cytometry analysis of human dermal microvascular endothelial cells (HDMVEC) labelling LYVE1 with ab36993.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"
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