abcam

Product datasheet

Anti-LYVE1 antibody - BSA and Azide free ab14917

37 Abreviews 256 References 6 Images

Overview

Product name	Anti-LYVE1 antibody - BSA and Azide free
Description	Rabbit polyclonal to LYVE1 - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** ICC, IHC-P
Species reactivity	**Reacts with:** Mouse
Immunogen	Recombinant fragment (His-tag) within Mouse LYVE1 aa 1-250. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please **contact** our Scientific Support team to discuss your requirements. Database link: **Q8BHC0** Run BLAST with Run BLAST with
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
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	Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Purification notes	Protein-A Chromatography (+his tag depleted).
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab14917 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC		Use at an assay dependent concentration.
IHC-P	★★★★☆ (27)	Use at an assay dependent concentration.

Target

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.

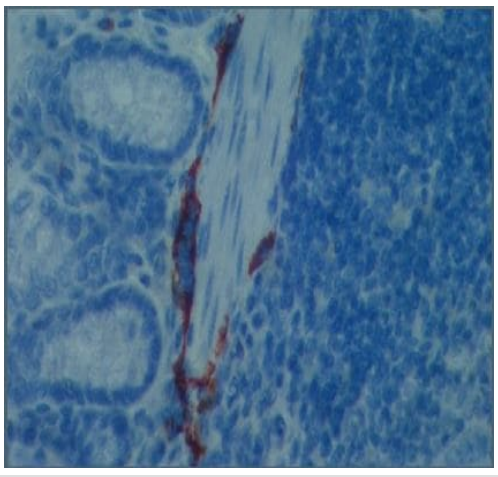
Tissue specificity Mainly expressed in endothelial cells lining lymphatic vessels.

Sequence similarities Contains 1 Link domain.

Post-translational modifications O-glycosylated.

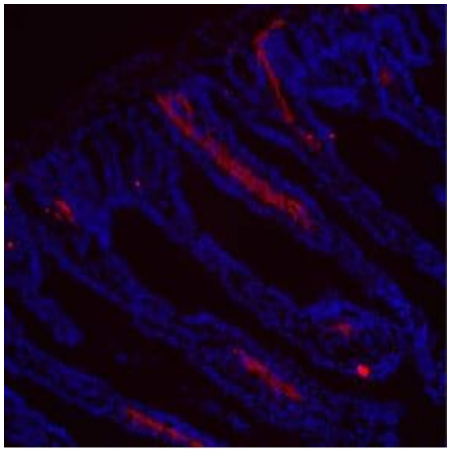
Cellular localization Membrane. Localized to the plasma membrane and in vesicles near extranuclear membranes which may represent trans-Golgi network (TGN) and endosomes/prelysosomeal compartments. Undergoes ligand-dependent internalization and recycling at the cell surface.

Images



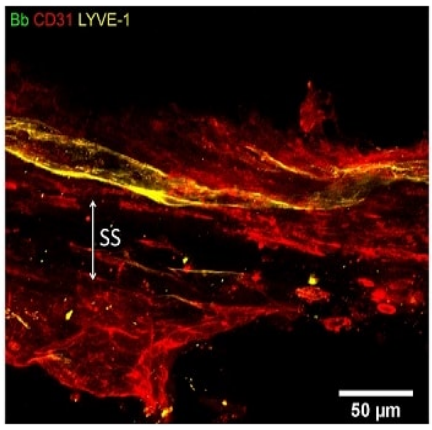
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LYVE1 antibody - BSA and Azide free (ab14917)

Immunohistochemical analysis of paraffin-embedded mouse intestine tissue staining LYVE-1 with ab14917. Positive staining is shown in the lymphatic endothelial cells (red).



Immunocytochemistry - Anti-LYVE1 antibody - BSA and Azide free (ab14917)

Immunocytochemistry/immunofluorecent analysis of mouse colon tissue labelling LYVE-1 with ab14917 (red).

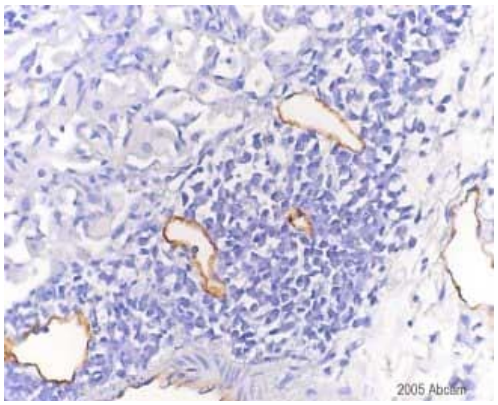


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LYVE1 antibody - BSA and Azide free (ab14917)

At the time point of 75dpi spirochetes (Bb) were not observed in association with the lymphatic-like vessels (LYVE-1) that run parallel to the sagittal sinus (SS, arrow) of the dura mater.

Dura samples were collected from transcardially perfused mice by craniotomy and post-fixed in 4% paraformaldehyde for 24h at 4°C. Samples were permeabilized in 0.1% Triton X-100, washed 3 times, and serum-blocked in 2.5% goat serum/PBS containing 1:100 dilution of Fc block. For *B. burgdorferi* staining, each sample was incubated in 1:100 dilution of rat anti-mouse unconjugated monoclonal anti-CD31 IgG, and 1:50 dilution biotinylated rabbit anti-*B. burgdorferi* polyclonal IgG at 4°C overnight. On the following day, the samples were washed, and stained with 1:100 dilution of Alexa 555 goat anti-rat polyclonal IgG, and 1:200 dilution of Alexa 488 streptavidin for 1 hour at room temperature, covered from light. Secondary antibody-only controls for *B. burgdorferi* indirect fluorescent assay were performed *in vitro* and no fluorescence was observed.

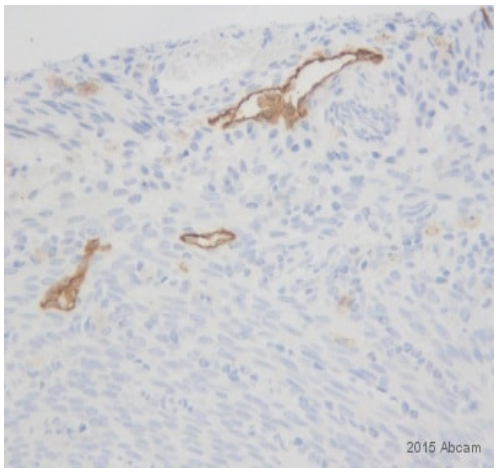
Some of the dura samples were also stained for lymphatic vessels in a separate step, using 1:200 ab14917, followed by washing and secondary staining with 1:200 Alexa 633 goat-anti rabbit polyclonal IgG (yellow).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LYVE1 antibody - BSA and Azide free (ab14917)

This image is courtesy of an Abreview submitted by Elizabeth Chlipala on 18 November 2005.

ab14917 at a 1/100 dilution staining LYVE1 from mouse tuberculosis infected lung by immunohistochemistry (paraffin-embedded sections). The antibody was incubated with the tissue for 30 minutes and then detected with an HRP conjugated goat anti-rabbit antibody.

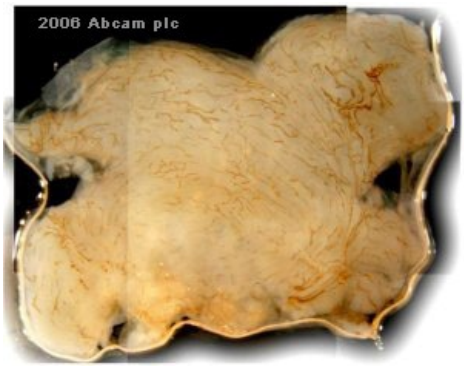


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LYVE1 antibody - BSA and Azide free (ab14917)

Image is courtesy of an anonymous Abreview

ab14917 staining LYVE1 in mouse uterus tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections).

Tissue was fixed with formaldehyde and blocked with 3% serum for 30 minutes at 20°C; antigen retrieval was by heat mediation in a EDTA-buffer pH 9.0. Samples were incubated with primary antibody (1/50 in PBS) for 12 hours at 20°C. A biotin-conjugated Goat anti-rabbit polyclonal (1/200) was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LYVE1 antibody - BSA and Azide free (ab14917)

This image is courtesy of an anonymous Abreview

ab14917 at 1/2000 dilution staining Ha-Ras transgenic mouse bladder (cancer) by Immunohistochemistry (Formalin-fixed paraffin-embedded sections). The tissue was formaldehyde fixed and blocked with serum prior to incubation with the primary antibody for 12 hours. A biotinylated polyclonal antibody was used as the secondary.

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