abcam

Product datasheet

Anti-LSP1 antibody [EPR5997] ab133506

Recombinant RabMAb

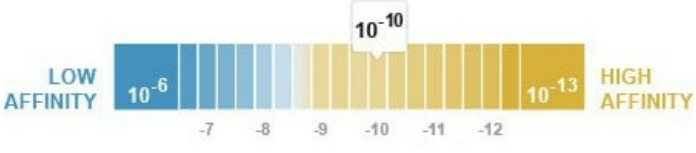
★★★★★ 1 Abreviews 2 References 12 Images

Overview

Product name	Anti-LSP1 antibody [EPR5997]
Description	Rabbit monoclonal [EPR5997] to LSP1
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P, ICC/IF, Flow Cyt (Intra) **Unsuitable for:** IP
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide within Human LSP1 aa 300-400 (C terminal). The exact sequence is proprietary.
Positive control	WB: Daudi, Ramos and HuT78 cell lysates. Mouse spleen and Rat brain tissue lysates.IHC-P: Human colon, Mouse spleen, Rat spleen and Human tonsil tissue. ICC/IF: Daudi Flow Cyt (intra): Daudi
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant (K_D)	$K_D = 1.02 \times 10^{-10}$ M



Learn more about K_D

Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR5997
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab133506 in the following tested applications.

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

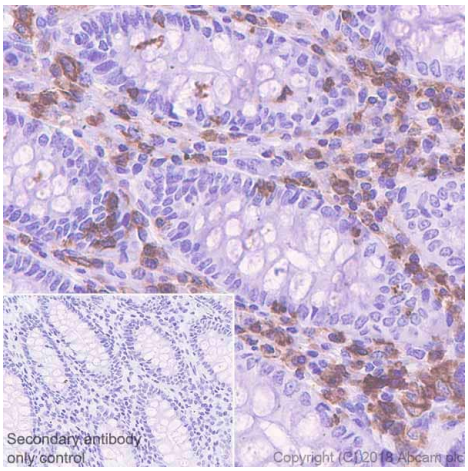
Application	Abreviews	Notes
WB		1/10000 - 1/50000. Detects a band of approximately 52 kDa (predicted molecular weight: 37 kDa).
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See **IHC antigen retrieval protocols**.
ICC/IF		1/100. **For unpurified use at 1/500 - 1/1000.**
Flow Cyt (Intra)		1/100.

Application notes Is unsuitable for IP.

Target

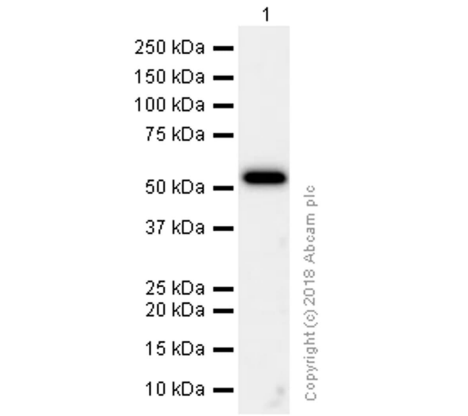
Function	May play a role in mediating neutrophil activation and chemotaxis.
Tissue specificity	Activated T-lymphocytes.
Post-translational modifications	Phosphorylated by casein kinase II, protein kinase C and MAPKAPK2. Phosphorylation by PKC induces translocation from membrane to cytoplasm. Phosphorylation by MAPKAPK2 may regulate neutrophil chemotaxis.
Cellular localization	Cell membrane.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LSP1 antibody [EPR5997] (ab133506)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human colon tissue sections labeling LSP1 with purified ab133506 at 1:500 dilution (1.954 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use)was used as the secondary antibody. Negative control:PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



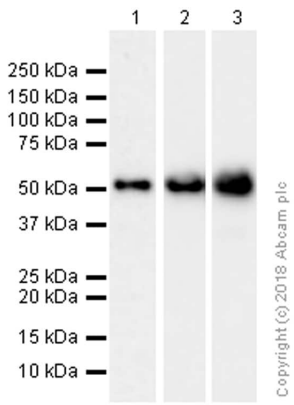
Western blot - Anti-LSP1 antibody [EPR5997] (ab133506)

Anti-LSP1 antibody [EPR5997] (ab133506) at 1/10000 dilution (Purified) + Rat brain lysates at 15 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 37 kDa



Western blot - Anti-LSP1 antibody [EPR5997] (ab133506)

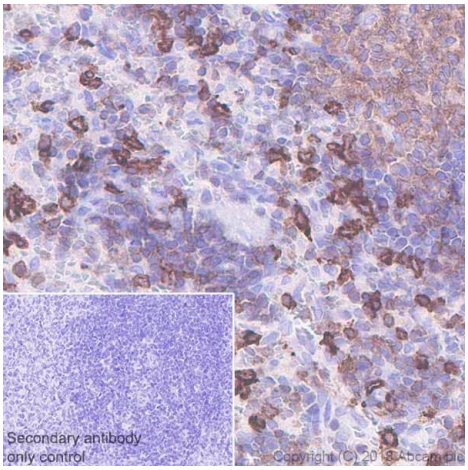
All lanes : Anti-LSP1 antibody [EPR5997] (ab133506) at 1/10000 dilution (Purified)

Lane 1 : Mouse spleen lysates
Lane 2 : Daudi (Human Burkitt's lymphoma lymphoblast) whole cell lysate
Lane 3 : HuT-78 (Human Sezary syndrome cutaneous T lymphocyte) whole cell lysate

Lysates/proteins at 20 µg per lane.

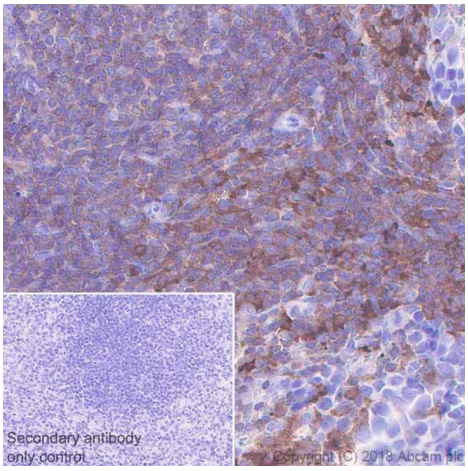
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 37 kDa
Observed band size: 52 kDa



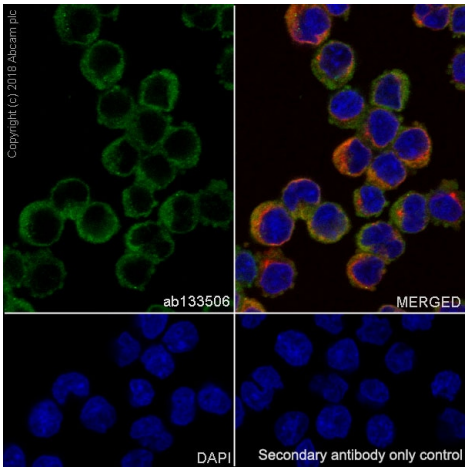
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LSP1 antibody [EPR5997] (ab133506)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Rat spleen tissue sections labeling LSP1 with purified ab133506 at 1:500 dilution (1.954 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use)was used as the secondary antibody. Negative control:PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



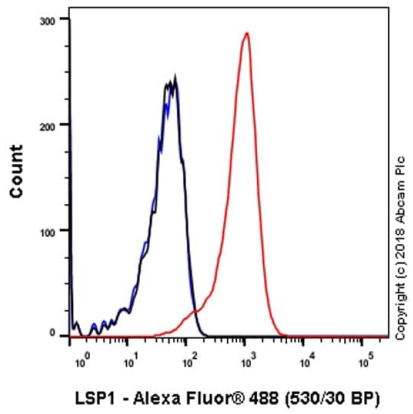
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LSP1 antibody [EPR5997] (ab133506)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Mouse spleen tissue sections labeling LSP1 with purified ab133506 at 1:500 dilution (1.954 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use)was used as the secondary antibody. Negative control:PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



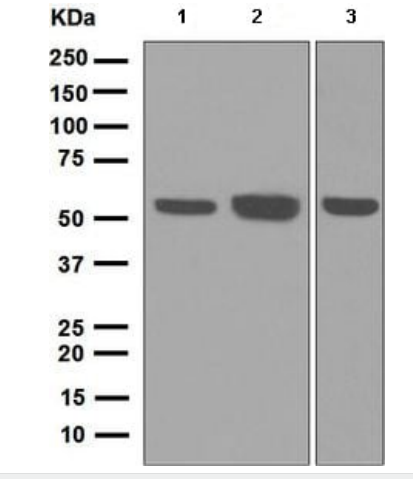
Immunocytochemistry/ Immunofluorescence - Anti-LSP1 antibody [EPR5997] (ab133506)

Immunocytochemistry/ Immunofluorescence analysis of Daudi (Human Burkitt's lymphoma lymphoblast) cells labeling LSP1 with purified ab133506 at 1:100 dilution (9.8 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Flow Cytometry (Intracellular) - Anti-LSP1 antibody [EPR5997] (ab133506)

Intracellular Flow Cytometry analysis of Daudi (Human Burkitt's lymphoma lymphoblast) cells labeling LSP1 with purified ab133506 at 1/100 dilution (10 µg/ml) (red). Cells were fixed with 4% Paraformaldehyde. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Western blot - Anti-LSP1 antibody [EPR5997] (ab133506)

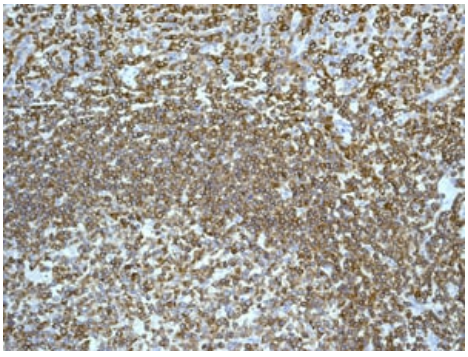
All lanes : Anti-LSP1 antibody [EPR5997] (ab133506) at 1/10000 dilution

Lane 1 : Daudi cell lysate
Lane 2 : Ramos cell lysate
Lane 3 : HuT78 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat-anti-rabbit HRP at 1/2000 dilution

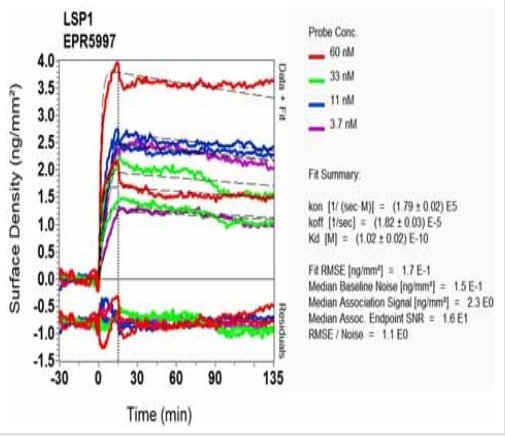
Predicted band size: 37 kDa
Observed band size: 52 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LSP1 antibody [EPR5997] (ab133506)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labelling LSP1 with ab133506 at 1/250 dilution.

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.

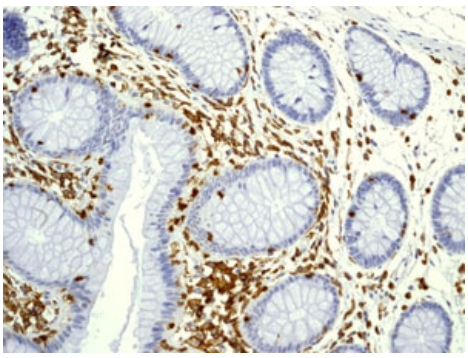


OI-RD Scanning - Anti-LSP1 antibody [EPR5997] (ab133506)

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LSP1 antibody [EPR5997] (ab133506)

Immunohistochemical analysis of paraffin-embedded Human colon tissue labelling LSP1 with ab133506 at 1/250 dilution.

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.

Anti-LSP1 antibody [EPR5997] (ab133506)

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