abcam

Product datasheet

Anti-SLP-2 antibody [EPR18718] ab191883

Recombinant RabMAb

1 References 9 Images

Overview

Product name	Anti-SLP-2 antibody [EPR18718]
Description	Rabbit monoclonal [EPR18718] to SLP-2
Host species	Rabbit
Tested applications	**Suitable for:** Flow Cyt (Intra), IP, WB, ICC/IF
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HeLa, Jurkat, MCF7, A549, C6, RAW 264.7 and NIH/3T3 whole cell lysates; Human fetal kidney lysate; Mouse brain and spleen lysates; Rat brain lysate. ICC/IF: HeLa and Jurkat cells. Flow Cyt (intra): HeLa cells. IP: Jurkat whole cell lysate.
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 +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR18718

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab191883 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
Flow Cyt (Intra)		1/120.
IP		1/50.
WB		1/1000. Detects a band of approximately 39 kDa (predicted molecular weight: 39 kDa).
ICC/IF		1/250.

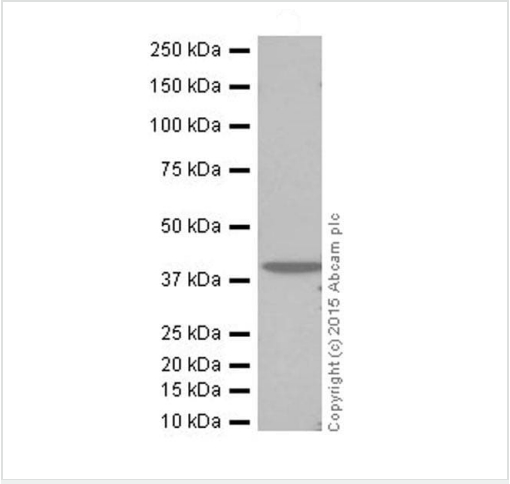
Target

Tissue specificity Ubiquitously expressed at low levels.

Sequence similarities Belongs to the band 7/mec-2 family.

Cellular localization Membrane. Cytoplasm. Cytoplasm > cytoskeleton. Associated with the cytoskeleton.

Images



Western blot - Anti-SLP-2 antibody [EPR18718] (ab191883)

Anti-SLP-2 antibody [EPR18718] (ab191883) at 1/1000 dilution + Human fetal kidney lysate at 10 µg

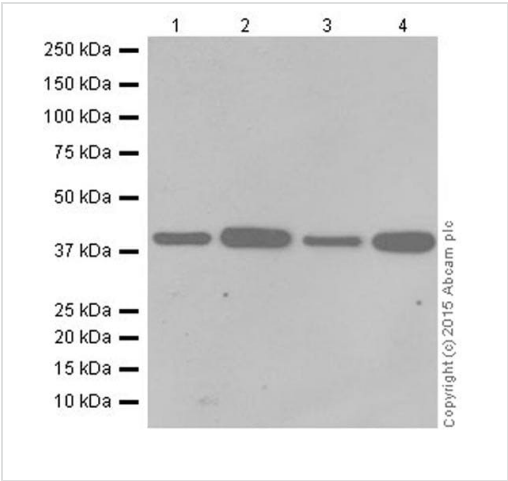
Secondary

Goat Anti-Rabbit IgG Peroxidase Conjugate, specific to the non-reduced form of IgG at 1/10000 dilution

Predicted band size: 39 kDa

Exposure time: 1 minute

Blocking/dilution buffer: 5% NFDM/TBST.



Western blot - Anti-SLP-2 antibody [EPR18718] (ab191883)

All lanes : Anti-SLP-2 antibody [EPR18718] (ab191883) at 1/1000 dilution

Lane 1 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate
Lane 2 : Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate
Lane 3 : MCF7 (Human breast adenocarcinoma cell line) whole cell lysate
Lane 4 : A549 (Human lung carcinoma cell line) whole cell lysate

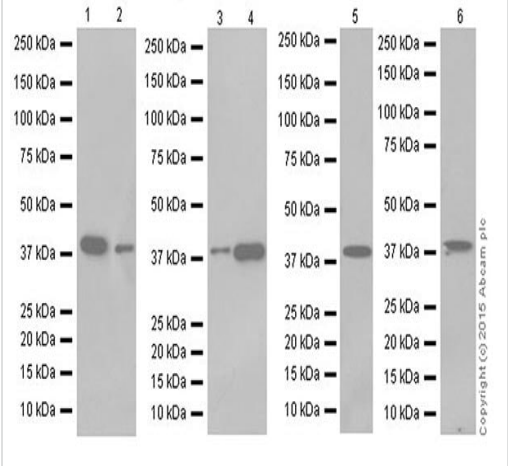
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 39 kDa
Observed band size: 39 kDa

Exposure time: 30 seconds

Blocking/dilution buffer: 5% NFDM/TBST.



Western blot - Anti-SLP-2 antibody [EPR18718] (ab191883)

All lanes : Anti-SLP-2 antibody [EPR18718] (ab191883) at 1/1000 dilution

Lane 1 : Mouse brain lysate
Lane 2 : Mouse spleen lysate
Lane 3 : C6 (Rat glial tumor cell line) whole cell lysate
Lane 4 : RAW 264.7 (Mouse macrophage cell line transformed with Abelson murine leukemia virus) whole cell lysate
Lane 5 : Rat brain lysate
Lane 6 : NIH/3T3 (Mouse embryonic fibroblast cell line) whole cell lysate

Lysates/proteins at 10 µg per lane.

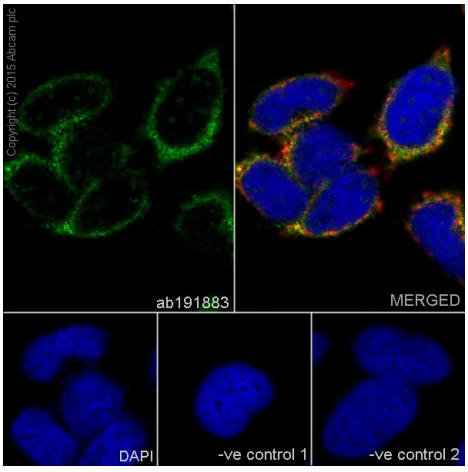
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 39 kDa
Observed band size: 39 kDa

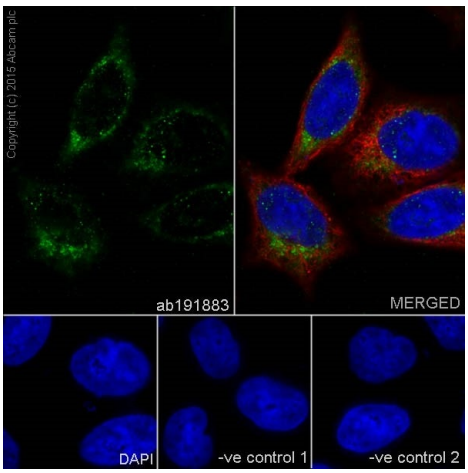
Blocking/dilution buffer: 5% NFDM/TBST.

Exposure time: Lane1,2,3 and 4:3 minutes;Lane 5 and 6:1 minute.



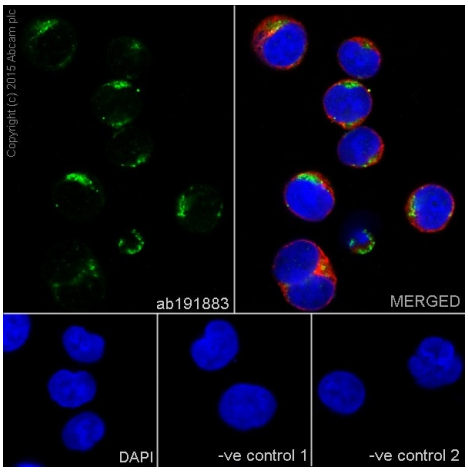
Immunocytochemistry/ Immunofluorescence - Anti-SLP-2 antibody [EPR18718] (ab191883)

Immunofluorescence staining of HeLa cells with ab191883 at a working dilution of 1 in 250, counter-stained with DAPI. The secondary antibody was Alexa Fluor® 488 goat anti-rabbit (**ab150077**), used at a dilution of 1 in 1000 (shown in green). The mitochondria were stained with **ab33985** (mouse monoclonal to COX-IV, mitochondrial marker) at 1/1000 and **ab150120** at 1/1000 (shown in red). The cells were fixed in 100% methanol and permeabilized using 0.1% triton-X 100. The negative controls are shown in bottom panels. For negative control 1, ab191883 was used at a dilution of 1/250 followed by an Alexa Fluor® 594 goat anti-mouse antibody (**ab150120**) at a dilution of 1/1000. For negative control 2, **ab7291** (mouse monoclonal to alpha tubulin) was used at a dilution of 1/1000 followed by **ab150077** (Alexa Fluor® 488 goat anti-rabbit) at a dilution of 1/1000.



Immunocytochemistry/ Immunofluorescence - Anti-SLP-2 antibody [EPR18718] (ab191883)

Immunofluorescent analysis of 100% methanol-fixed, 0.1% Triton X-100 permeabilized HeLa (Human epithelial cell line from cervix adenocarcinoma) cells labeling SLP-2 with ab191883 at 1/250 dilution, followed by Goat Anti-Rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic staining on HeLa cell line. The nuclear counterstain is DAPI (blue). Tubulin is detected with Anti-alpha Tubulin -Loading Control (**ab7291**) at 1/1000 dilution and Goat Anti-Mouse IgG (AlexaFluor®594) preadsorbed (**ab150120**) at 1/1000 dilution (red).
The negative controls are as follows:-
-ve control 1: ab191883 at 1/250 dilution followed by **ab150120** at 1/1000 dilution.
-ve control 2: **ab7291** at 1/1000 dilution followed by **ab150077** at 1/1000 dilution.



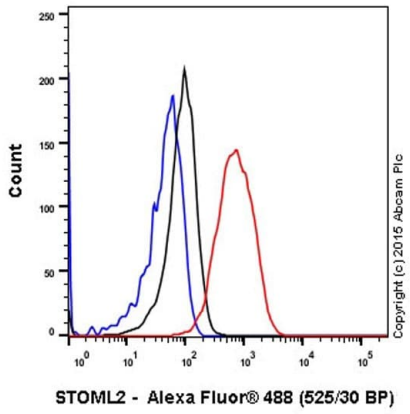
Immunocytochemistry/ Immunofluorescence - Anti-SLP-2 antibody [EPR18718] (ab191883)

Immunofluorescent analysis of 100% methanol-fixed, 0.1% Triton X-100 permeabilized Jurkat cells (Human T cell leukemia cell line from peripheral blood) labeling SLP-2 with ab191883 at 1/250 dilution, followed by Goat Anti-Rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic staining on Jurkat cell line. The nuclear counterstain is DAPI (blue). Tubulin is detected with Anti-alpha Tubulin -Loading Control (**ab7291**) at 1/1000 dilution and Goat Anti-Mouse IgG (AlexaFluor®594) preadsorbed (**ab150120**) at 1/1000 dilution (red).

The negative controls are as follows:-

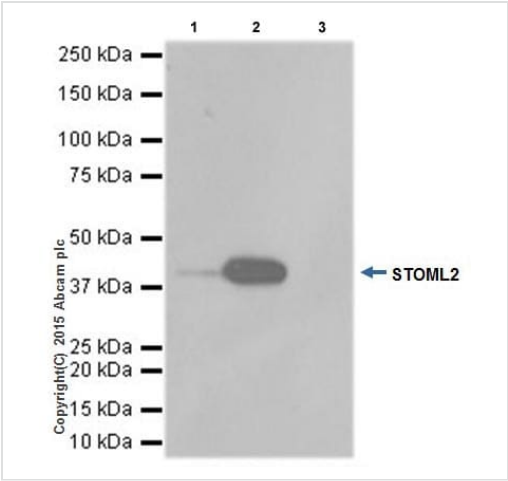
-ve control 1: ab191883 at 1/250 dilution followed by **ab150120** at 1/1000 dilution.

-ve control 2: **ab7291** at 1/1000 dilution followed by **ab150077** at 1/1000 dilution.



Flow Cytometry (Intracellular) - Anti-SLP-2 antibody [EPR18718] (ab191883)

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed HeLa (Human epithelial cell line from cervix adenocarcinoma) cells labeling SLP-2 with ab191883 at 1/120 dilution (red) compared with a Rabbit IgG,monoclonal [EPR25A]-Isotype control (**ab172730**) (black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (blue). Goat anti Rabbit IgG (Alexa Fluor® 488) at 1/500 dilution was used as the secondary antibody.



Immunoprecipitation - Anti-SLP-2 antibody [EPR18718] (ab191883)

SLP-2 was immunoprecipitated from 1mg of Jurkat (Human T cell leukemia cell line from peripheral blood) whole cell lysate with ab191883 at 1/50 dilution. Western blot was performed from the immunoprecipitate using ab191883 at 1/1000 dilution. Veriblot for IP (HRP) (**ab13136**) was used as secondary antibody at 1/10000 dilution.

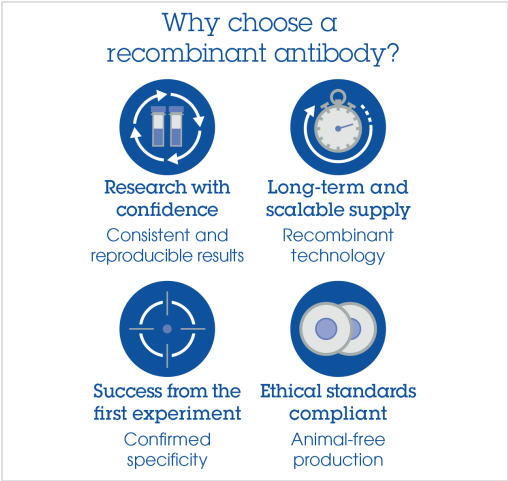
Lane 1: Jurkat whole cell lysate 10µg (Input).

Lane 2: ab191883 IP in Jurkat whole cell lysate.

Lane 3: Rabbit IgG,monoclonal [EPR25A] (**ab172730**) instead of ab191883 in Jurkat whole cell cell lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 30 seconds.



Anti-SLP-2 antibody [EPR18718] (ab191883)

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