abcam

ab36195

Anti-SYBL1/VAMP-7 antibody [158.2]

Key facts

Isotype	IgG1
Host species	Mouse
Storage buffer	Constituents: 2% Sucrose, 1.21% Tris, 0.75% Glycine
Form	Liquid
Clonality	Monoclonal
Immunogen	Recombinant Full Length Protein corresponding to Human VAMP7. Database link P51809
Clone number	158.2
Purification technique	Affinity purification Protein A
Light chain type	kappa
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Rat
Dilution info	1/50
Notes	ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Predicted

Species	Mouse, Dog, Human
Dilution info	-
Notes	-

WB

Tested

Species	Rat
Dilution info	1/500 - 1/2000
Notes	-

Predicted

Species	Mouse, Dog, Human
Dilution info	-
Notes	-

IHC-P

Expected

Species	Rat, Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Mouse, Dog
Dilution info	-
Notes	-

ICC/IF

Expected

Species	Rat, Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Mouse, Dog
Dilution info	-
Notes	-

IHC-Fr

Expected

Species	Rat, Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Mouse, Dog
Dilution info	-
Notes	-

Target data

See full target information VAMP7

Function Involved in the targeting and/or fusion of transport vesicles to their target membrane during transport of proteins from the early endosome to the lysosome. Required for heterotypic fusion of late endosomes with lysosomes and homotypic lysosomal fusion. Required for calcium regulated lysosomal exocytosis. Involved in the export of chylomicrons from the endoplasmic reticulum to the cis Golgi. Required for exocytosis of mediators during eosinophil and neutrophil degranulation, and target cell killing by natural killer cells. Required for focal exocytosis of late endocytic vesicles during phagosome formation.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

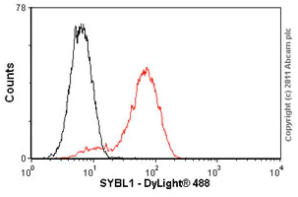
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

2 product images

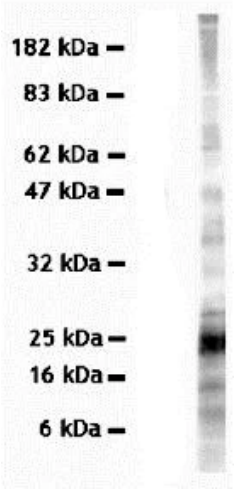


Flow Cytometry - Anti-SYBL1/VAMP-7 antibody [158.2] (ab36195)

SYBL1/VAMP-7 Flow Cytometry staining using mouse Anti-SYBL1/VAMP-7 antibody

Overlay histogram showing PC12 cells stained with ab36195 (red line). The cells were fixed with 4% paraformaldehyde and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then

incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab36195, 1/50 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (ab96879) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (ab91353, 2µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in PC12 cells fixed with methanol (5 min)/permeabilized with 0.1% PBS-Tween used under the same conditions.



Western blot - Anti-SYBL1/VAMP-7 antibody [158.2] (ab36195)

All lanes:
Western blot - Anti-SYBL1/VAMP-7 antibody [158.2] (ab36195) at 1/500 dilution

All lanes:
Tissue lysates prepared from rat brain

Predicted band size: 25 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.