

Product Datasheet

VAMP-7 Antibody (158.2)

NBP1-07118

Unit Size: 1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-07118**VAMP-7 Antibody (158.2)**

Product Information	
Unit Size	1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	158.2
Preservative	No Preservative
Reconstitution Instructions	Lyophilized powder, reconstituted in distilled water.
Isotype	IgG1 Kappa
Purity	Unpurified
Buffer	Cell culture supernatant

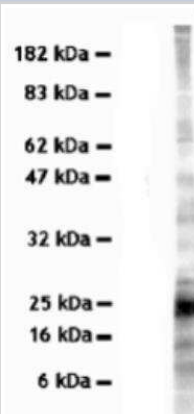
Product Description	
Description	Novus Biologicals Mouse VAMP-7 Antibody (158.2) (NBP1-07118) is a monoclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-VAMP-7 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	6845
Gene Symbol	VAMP7
Species	Human, Mouse, Rat, Canine
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Specificity/Sensitivity	Reacts specifically with the 25 kDa protein of human TI-VAMP protein (human, mouse, rat, canine)
Immunogen	TI-VAMP recombinant protein

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:2000, Flow Cytometry, ELISA 1:100-1:2000, Immunohistochemistry 1:5-1:200, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:10 - 1:400

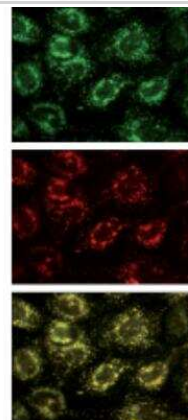


Images

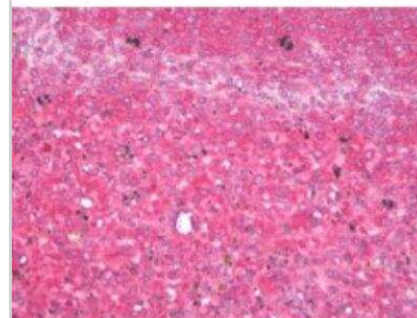
Western Blot: VAMP-7 Antibody (158.2) [NBP1-07118] - Analysis of rat brain extract.



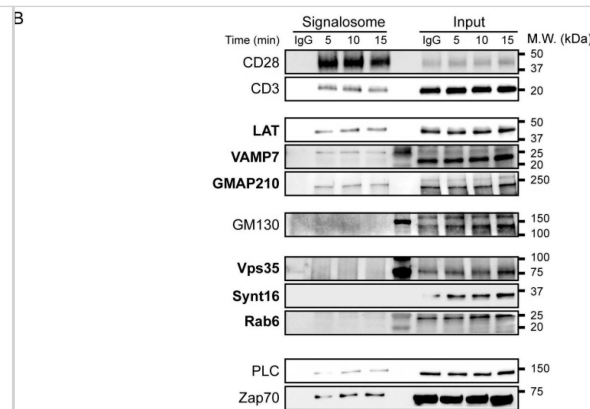
Immunocytochemistry/Immunofluorescence: VAMP-7 Antibody (158.2) [NBP1-07118] - Staining of MDCK cells (red). GFP-Tagged human Ti-VAMP (green) and merge (yellow).



Immunohistochemistry-Paraffin: VAMP-7 Antibody (158.2) [NBP1-07118] - Staining of human spleen.



Anterograde, but not retrograde, pathway regulators are recruited together with LAT at the immune synapse. (A) Still images from live TIRFM imaging of Jurkat cells co-expressing LAT-mCherry and GMAP210-GFP, VAMP7-GFP or Rab6-GFP, seeded on coverslips coated with anti-CD3 ϵ +anti-CD28 Abs. Pearson correlation coefficient is shown (Mean \pm SD). Dashed square indicate the magnified regions. Arrow heads point out the appearance and displacement in the evanescent field of vesicles-containing simultaneous or individual LAT and GMAP210/VAMP7 or Rab6, respectively. Scale bars = 5 μ m. Inset scale bars = 2 μ m. (B) Immunoblot of signalosomes prepared from Jurkat cells activated for 5, 10 or 15 min with anti-CD3 ϵ +anti-CD28 coated magnetic beads. IgG corresponds to Jurkat cells incubated with irrelevant mAb coated magnetic beads for 15 min. Proteins attached to the beads were purified by magnetic sorting after freezing and thawing the cells. Presence of the different proteins in the corresponding cell lysates (with detergent) are shown in "input" lanes. Data and images represent two independent experiments in (A,B). Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/33572370>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Guan Y, Liang X, Ma Z Et al. A single genetic locus controls both expression of DPEP1/CHMP1A and kidney disease development via ferroptosis Nature communications 2021-08-23 [PMID: 34426578] (ICC/IF, Human)

Saez JJ, Dogniaux S, Shafaq-Zadah M et al. Retrograde and Anterograde Transport of Lat-Vesicles during the Immunological Synapse Formation: Defining the Finely-Tuned Mechanism Cells 2021-02-09 [PMID: 33572370] (ICC/IF, Human)

Spessott Waldo A, Sanmillan Maria L, Kulkarni Vineet V et al. Syntaxin 4 mediates endosome recycling for lytic granule exocytosis in cytotoxic T-lymphocytes. Traffic (Copenhagen, Denmark) 2017-01-01 [PMID: 28471021] (WB, Human)



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Products Related to NBP1-07118

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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