

Product Datasheet

VAMP3/Cellubrevin Antibody

NB300-510

Unit Size: 100ug

Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com



technical@novusbio.com

Publications: 11

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB300-510

Updated 10/23/2024 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB300-510



NB300-510**VAMP3/Cellubrevin Antibody**

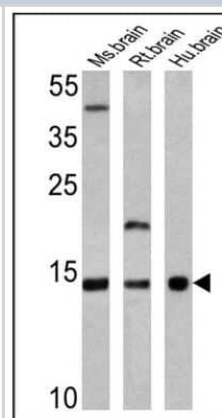
Product Information	
Unit Size	100ug
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS with 1 mg/ml BSA

Product Description	
Host	Rabbit
Gene ID	9341
Gene Symbol	VAMP3
Species	Human, Mouse, Rat, Canine
Immunogen	Sythetic peptide corresponding to residues M(1) S T G V P S G S S A A T G S N R R(18) C of mouse VAMP-3.

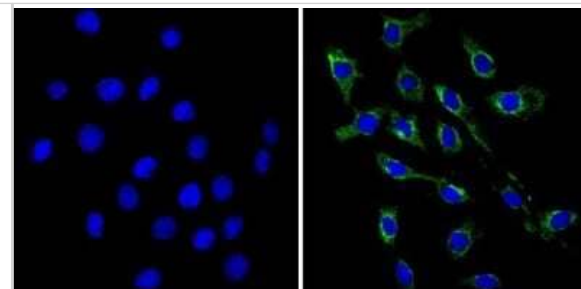
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000 - 1:5000, Immunocytochemistry/ Immunofluorescence 1:10 - 1:100
Application Notes	May be useful in WB. WB: Detects a 13 kDa protein (predicted MW 12 kDa). ICC/IF usage was reported in scientific literature.

Images

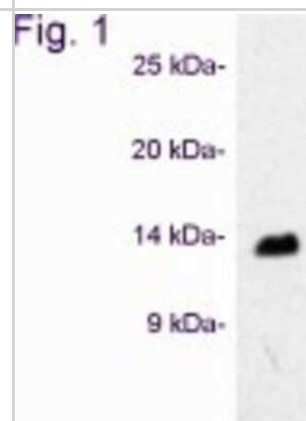
Western Blot: VAMP3/Cellubrevin Antibody [NB300-510] - Analysis of 25 ug of mouse brain (lane 1), rat brain (lane 2) and human brain (lane 3) lysates.



Immunocytochemistry/Immunofluorescence: VAMP3/Cellubrevin Antibody [NB300-510] - Analysis of VAMP3 (green) showing staining in the cytoplasm of C6 cells (right) compared to a negative control without primary antibody (left).



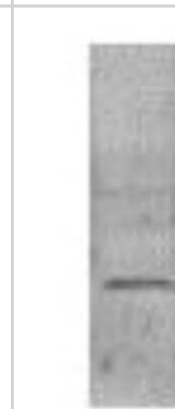
Western Blot: VAMP3/Cellubrevin Antibody [NB300-510] - Analysis of recombinant rat VAMP-3.



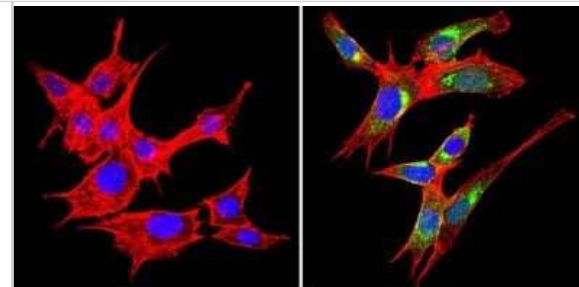
Western Blot: VAMP3/Cellubrevin Antibody [NB300-510] - Analysis of VAMP-3 in hela cell extract.



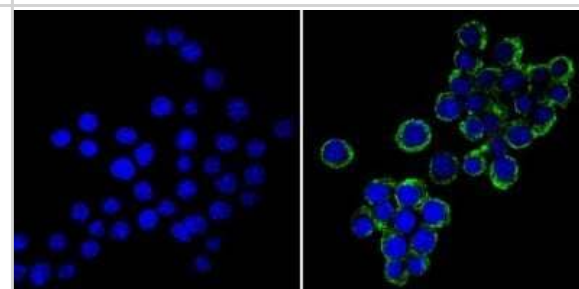
Western Blot: VAMP3/Cellubrevin Antibody [NB300-510] - Analysis of HeLa cell lysates.



Immunocytochemistry/Immunofluorescence: VAMP3/Cellubrevin Antibody [NB300-510] - Analysis of VAMP3 (green) showing staining in the cytoplasm of NIH-3T3 cells (right) compared to a negative control without primary antibody (left).



Immunocytochemistry/Immunofluorescence: VAMP3/Cellubrevin Antibody [NB300-510] - Analysis of VAMP3 (green) showing staining in the cytoplasm of Neuro-2a cells (right) compared to a negative control without primary antibody (left).



Publications

Fekete CD, Horning RZ, Doron MS, Nishiyama A Cleavage of VAMP2/3 affects oligodendrocyte lineage development in the developing mouse spinal cord *The Journal of neuroscience : the official journal of the Society for Neuroscience* 2023-08-23 [PMID: 37620160]

L Pan, A Trimarco, AJ Zhang, K Fujimori, Y Urade, LO Sun, C Taveggia, Y Zhang Oligodendrocyte-lineage cell exocytosis and L-type prostaglandin D synthase promote oligodendrocyte development and myelination *Elife*, 2023-02-13;12(0):. 2023-02-13 [PMID: 36779701]

Gu Y, Princely Y, Kumar S et al. Mammalian Atg8 proteins regulate lysosome and autolysosome biogenesis through SNAREs. *EMBO J.* 2019-10-18 [PMID: 31625181]

Calcagni' A, Staiano L, Zampelli N et al. Loss of the batten disease protein CLN3 leads to mis-trafficking of M6PR and defective autophagic-lysosomal reformation *Nature communications* 2023-07-03 [PMID: 37400440] (WB)

Han J, Yoon S, Park H. Endocytic BDNF secretion regulated by Vamp3 in astrocytes *Scientific reports* 2021-10-27 [PMID: 34707216] (ICC/IF, Human)

Han J, Yoon S, Park H Vamp3-dependent secretion of endocytic BDNF from astrocytes *Research Square* 2021-08-04 (ICC/IF, WB, Mouse)

Beaton N, Rudigier C, Moest H et al. TUSC5 regulates insulin-mediated adipose tissue glucose uptake by modulation of GLUT4 recycling. *Mol Metab* 2015-11-01 [PMID: 26629404] (ICC/IF)

Vogel GF, Klee KM, Janecke AR et al. Cargo-selective apical exocytosis in epithelial cells is conducted by Myo5B, Slp4a, Vamp7, and Syntaxin 3. *J Cell Biol.* 2015-11-09 [PMID: 26553929] (WB, Human)

Hager HA, Roberts RJ, Cross EE et al. Identification of a novel Bves function: regulation of vesicular transport. *EMBO J* 2010-02-03 [PMID: 20057356] (ICC/IF, Canine)

Tiwari N, Wang C-C, Brochetta C et al. VAMP-8 segregates mast cell-preformed mediator exocytosis from cytokine trafficking pathways. *Blood* 111(7):3665-74. 2008-04-01 [PMID: 18203950]

Williams D, Pessin JE. Mapping of R-SNARE function at distinct intracellular GLUT4 trafficking steps in adipocytes. *J Cell Biol.* 2008;180(2):375-87. 2008-01-28 [PMID: 18227281]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA

Phone: 303.730.1950

Toll Free: 1.888.506.6887

Fax: 303.730.1966

nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada

Phone: 905.827.6400

Toll Free: 855.668.8722

Fax: 905.827.6402

canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom

Phone: (44) (0) 1235 529449

Free Phone: 0800 37 34 15

Fax: (44) (0) 1235 533420

info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com

Technical Support: nb-technical@bio-techne.com

Orders: nb-customerservice@bio-techne.com

General: novus@novusbio.com

Products Related to NB300-510

NB800-PC1	HeLa Whole Cell Lysate
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB300-510

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

