

Product Datasheet

VMAT2 Antibody - BSA Free

NB110-68123

Unit Size: 0.1 mg

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

www.novusbio.com



technical@novusbio.com

Publications: 10

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB110-68123

Updated 9/9/2025 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/NB110-68123



NB110-68123

VMAT2 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS
Target Molecular Weight	55.7 kDa
Product Description	
Description	Novus Biologicals Rabbit VMAT2 Antibody - BSA Free (NB110-68123) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-VMAT2 Antibody: Cited in 10 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	6571
Gene Symbol	SLC18A2
Species	Human, Mouse, Rat, Rabbit
Reactivity Notes	Reacts with human, mouse, and rat VMAT2 protein. Rabbit reactivity reported in scientific literature (PMID: 20665056)
Specificity/Sensitivity	VMAT2
Immunogen	Reacts with an internal sequence of the human, mouse and rat VMAT2 protein.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:500-1:1000, Immunohistochemistry 1:100-1:250, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Frozen 1:100-1:250
Application Notes	This antibody is useful for Western Blot. Use in Immunohistochemistry-Frozen reported in scientific literature (PMID 20815037). Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID: 24161354). The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

Publications

Jung, D H, Ahn, S M Et al. Therapeutic effects of anodal transcranial direct current stimulation in a rat model of ADHD. *Elife* 2020-09-21 [PMID: 32955434] (IF/IHC, Mouse)

Cao SX, Wen CX, Sun R et al. ErbB4 regulate extracellular dopamine through the p38 MAPK signaling pathway *Neuroscience letters* 2021-03-17 [PMID: 33722543] (WB)

Ma, K;Han, C;Zhang, G;Guo, X;Xia, Y;Wan, F;Yin, S;Kou, L;Liu, L;Huang, J;Xiong, N;Wang, T; Reduced VMAT2 expression exacerbates the hyposmia in the MPTP model of Parkinson's disease *Biochem. Biophys. Res. Commun.* 2019-05-28 [PMID: 30954223] (WB, Mouse)

Gemechu JM, Sharma A, Yu D et al. Characterization of Dopaminergic System in the Striatum of Young Adult Park2 -/- Knockout Rats *Sci Rep* 2018-01-24 [PMID: 29367643] (WB, Rat)

Lin CC, Tung CS, Lin PH et al. Traumatic stress causes distinctive effects on fear circuit catecholamines and the fear extinction profile in a rodent model of posttraumatic stress disorder. *Eur Neuropsychopharmacol.* 2016-09-01 [PMID: 27492886] (WB, Rat)

Choi W, Kim H, Xia Z. JNK inhibition of VMAT2 contributes to rotenone-induced oxidative stress and dopamine neuron death. *Toxicology.* 2014-12-09 [PMID: 25496994] (WB)

Hong F, Liu L, Fan RF et al. New perspectives of vesicular monoamine transporter 2 chemical characteristics in mammals and its constant expression in type 1 diabetes rat models. *Transl Res.* 2013-10-06 [PMID: 24161354] (ICC/IF, IHC-Fr, Rat)

Sala G, Brighina L, Saracchi E et al. Vesicular monoamine transporter 2 mRNA levels are reduced in platelets from patients with Parkinson's disease. *J Neural Transm.* 2010-09-01 [PMID: 20665056] (WB, Rabbit)

Iritani S, Sekiguchi H, Habuchi C et al. Immunohistochemical study of vesicle monoamine transporter 2 in the hippocampal region of genetic animal model of schizophrenia. *Synapse*;64(12):948-53. 2010-12-01 [PMID: 20815037] (IHC-Fr, Mouse)

Shin EJ, Duong CX, Nguyen XK, Li Z, Bing G, Bach JH, Park DH, Nakayama K, Ali SF, Kanthasamy AG, Cadet JL, Nabeshima T, Kim HC. Role of oxidative stress in methamphetamine-induced dopaminergic toxicity mediated by protein kinase C delta. *Behav Brain Res*;232(1):98-113. 2012-04-09 [PMID: 22512859] (WB, Mouse)





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 NB110-68123

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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/NB110-68123

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

