

# Product Datasheet

## VMAT2 Antibody (OTI9E11)

### NBP1-47977

Unit Size: 0.1 ml

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

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**NBP1-47977**

VMAT2 Antibody (OTI9E11)

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI9E11
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	55.7 kDa

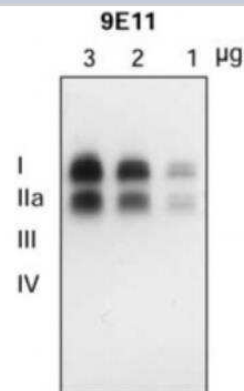
Product Description	
Description	Novus Biologicals Mouse VMAT2 Antibody (OTI9E11) (NBP1-47977) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-VMAT2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	6571
Gene Symbol	SLC18A2
Species	Human, Mouse, Rat
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.
Immunogen	Full-length protein expressed in 293T cell transfected with human SLC18A2 expression vector .

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:2000, Flow Cytometry 1:100, Immunohistochemistry 1:50, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:50

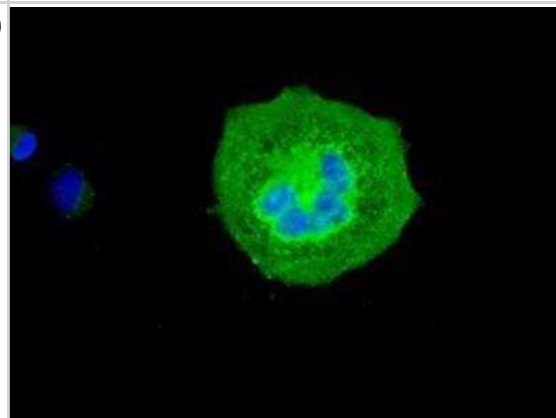


## Images

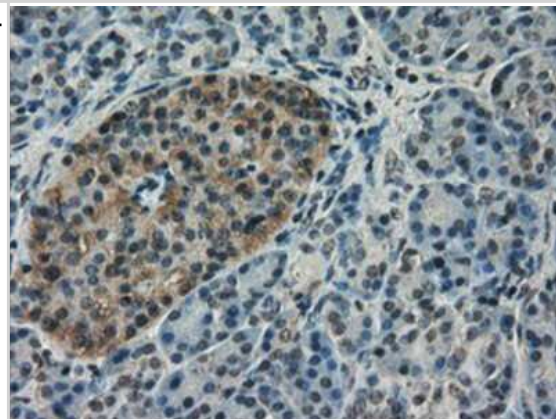
Western Blot: VMAT2 Antibody (9E11) [NBP1-47977] - VMAT2 protein level by using anti-VMAT2 (9E11) antibody in the striatum of autopsied human brain.



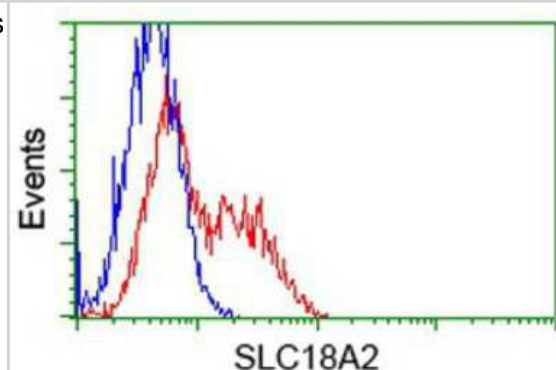
Immunocytochemistry/Immunofluorescence: VMAT2 Antibody (OTI9E11) [NBP1-47977] - VMAT2 Antibody (9E11) [NBP1-47977] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY VMAT2.



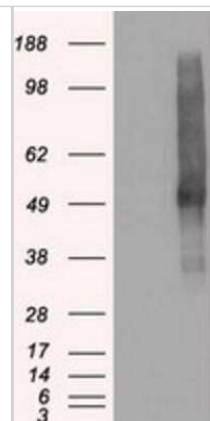
Immunohistochemistry-Paraffin: VMAT2 Antibody (9E11) [NBP1-47977] - Staining of paraffin-embedded Human pancreas tissue using anti-VMAT2 mouse monoclonal antibody.



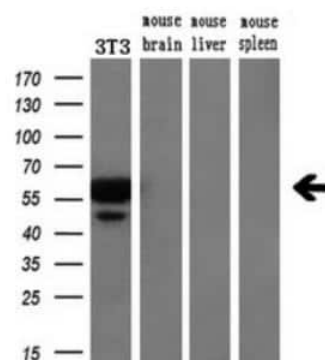
Flow Cytometry: VMAT2 Antibody (9E11) [NBP1-47977] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-VMAT2 antibody, and then analyzed by flow cytometry.



Western Blot: VMAT2 Antibody (9E11) [NBP1-47977] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY VMAT2 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-VMAT2.



Western Blot: VMAT2 Antibody (9E11) [NBP1-47977] - Analysis of extracts (10ug) from a mouse cell line and 3 different mouse tissues by using anti SLC18A2 monoclonal antibody.(1:200).



## Publications

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)



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### **Products Related to NBP1-47977**

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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]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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### **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.

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