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Anti-Vesicular Monoamine Transporter 2, C-terminus (VMAT2) Antibody

Our Anti-Vesicular Monoamine Transporter 2, C-terminus (VMAT2) sheep polyclonal primary antibody fro

Catalog # AN1609

Specification

Anti-Vesicular Monoamine Transporter 2, C-terminus (VMAT2) Antibody - Product Information

Application	**WB**
Primary Accession	Q05940
Host	**Sheep**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**55713**

Anti-Vesicular Monoamine Transporter 2, C-terminus (VMAT2) Antibody - Additional Information

Gene ID **6571**

Other Names

1110037L13Rik antibody, 9330105E13 antibody, MGC120477 antibody, MGC120478 antibody, MGC26538 antibody, MGC90556 antibody, MNAT antibody, Monoamine neurotransmitter transporter antibody, Monoamine transporter antibody, OTTHUMP00000020576 antibody, SLC18A2 antibody, Solute carrier family 18 (vesicular monoamine) member 2 antibody, Solute carrier family 18 member 2 antibody, SVAT antibody, SVMT antibody, Synaptic vesicle amine transporter brain antibody, Synaptic vesicle monoamine transporter brain antibody, Synaptic vesicular amine transporter antibody, VAT 2 antibody, VAT2 antibody, Vesicle monoamine transporter type 2 antibody, Vesicle monoamine/H+ antiporter antibody, Vesicular amine transporter 2 antibody, Vesicular monoamine transporter 2 antibody, VMAT 2 antibody, VMAT2 antibody, VMAT2_HUMAN antibody

Target/Specificity

Vesicular neurotransmitter transporters sequester the transmitters into synaptic vesicles (Erickson et al., 1996). The vesicular monoamine transporter 2 (VMAT2) is responsible for catecholamine and serotonin storage in central synapses. Antibodies specific for VMAT have been used to monitor expression of the transporter during development and in aging and can be effectively used as a marker for monoamine terminals (Haycock et al., 2003; Witkovsky et al., 2005).

Dilution

WB~~1:1000

Format

Antigen Affinity Purified from Pooled Serum

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Anti-Vesicular Monoamine Transporter 2, C-terminus (VMAT2) Antibody is for research use only

and not for use in diagnostic or therapeutic procedures.

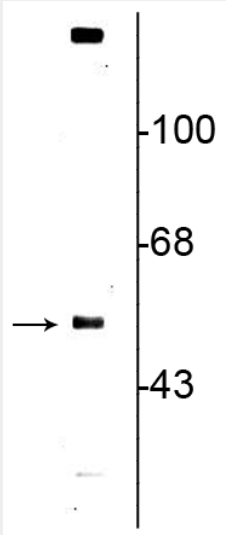
Shipping
Blue Ice

Anti-Vesicular Monoamine Transporter 2, C-terminus (VMAT2) Antibody - Protocols

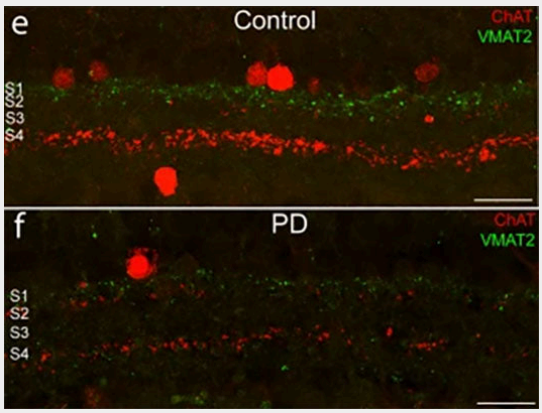
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Vesicular Monoamine Transporter 2, C-terminus (VMAT2) Antibody - Images



Western blot of rat striatal lysate showing specific immunolabeling of the ~57 kDa VMAT2 protein.



Immunostaining against ChAT (red) and VMAT2 (Cat no. 2250-VMAT2C, 1:200, green) in retinal

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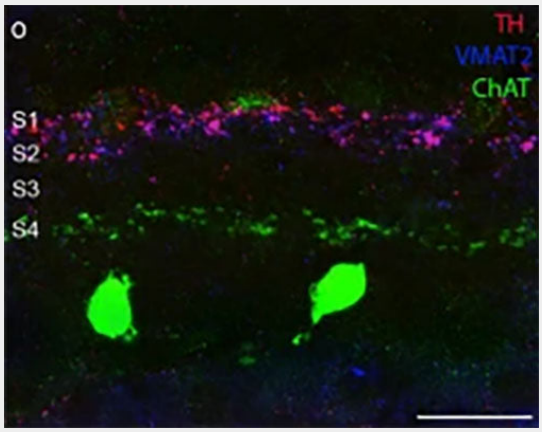
sections of control (e) and Parkinson's Desease (f) patients. Image from publication CC-BY-4.0. PMID: 37013599



Retinal sections immunostained against TH (red), ChAT (green) and vesicular monoamine transporter 2 (VMAT2, blue). S1/S2: stratum 1 and 2 in the IPL. S3/S4: stratum 3 and 4 in the IPL. Scale bar: 20 µm. Image from publication CC-BY-4.0. PMID: 37013599

Anti-Vesicular Monoamine Transporter 2, C-terminus (VMAT2) Antibody - Background

Vesicular neurotransmitter transporters sequester the transmitters into synaptic vesicles (Erickson et al., 1996). The vesicular monoamine transporter 2 (VMAT2) is responsible for catecholamine and serotonin storage in central synapses. Antibodies specific for VMAT have been used to monitor expression of the transporter during development and in aging and can be effectively used as a marker for monoamine terminals (Haycock et al., 2003; Witkovsky et al., 2005).