



Anti-SLC18A2 (C-terminal) polyclonal antibody (DPAB2420GH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Vesicular monoamine Transporter
Antigen Description	The vesicular monoamine transporter 2 (VMAT2) also known as solute carrier family 18 member 2 (SLC18A2) is a protein that in humans is encoded by the SLC18A2 gene. VMAT2 is an integral membrane protein that acts to transport monoamines—particularly neurotransmitters such as dopamine, norepinephrine, serotonin, and histamine—from cellular cytosol into synaptic vesicles.
Specificity	The vesicular monoamine transporter is responsible for the vesicular uptake of monoamines, like dopamine, norepinephrine, epinephrine, serotonin and histamine. The antiserum recognizes monoaminergic neurons of the CNS, the ECL-cells of the stomach, as well
Immunogen	Synthetic peptide (CQSYPIGDDEESED-OH) from the Cterminus of rat VMAT2 conjugated to BSA
Source/Host	Guinea pig
Species Reactivity	Rat
Conjugate	Unconjugated
Applications	IHC-Fr, WB
Positive Control	Frozen sections of rat small intestine
Format	Guinea pig serum
Size	50 µl
Buffer	Dissolve in 50 – 100 µl distilled water, and dilute further with 0.15 M PBS with 1% BSA and 0.1% NaN ₃ .

Preservative	0.1% Sodium Azide
Storage	At 2-8°C (undiluted) or at -20°C (aliquots)

GENE INFORMATION

Gene Name	SLC18A2 solute carrier family 18 (vesicular monoamine), member 2 [Homo sapiens]
Official Symbol	SLC18A2
Synonyms	SLC18A2; solute carrier family 18 (vesicular monoamine), member 2; SVAT; SVMT; VAT2; VMAT2; Synaptic vesicular amine transporter; Monoamine transporter; Solute carrier family 18 member 2; Vesicular amine transporter 2; synaptic vesicular amine transporter; monoamine transporter; vesicular amine transporter 2; vesicle monoamine/H ⁺ antiporter; solute carrier family 18 member 2; vesicle monoamine transporter type 2; monoamine neurotransmitter transporter; MGC120477; MGC120478; MGC26538; OTTHUMP00000020576
Entrez Gene ID	6571
Protein Refseq	NP_003045
UniProt ID	Q05940
Chromosome Location	10q25
Pathway	Dopamine Neurotransmitter Release Cycle; Na ⁺ /Cl ⁻ dependent neurotransmitter transporters; Parkinson's disease; SLC-mediated transmembrane transport; Transmembrane transport of small molecules
Function	drug binding; enzyme binding; heat shock protein binding; monoamine transmembrane transporter activity; serotonin transmembrane transporter activity