



VMAT1 Monoclonal Antibody

Catalog No	YP-mAb-05464
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SLC18A1 VAT1 VMAT1
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	VMAT1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CGAT;SLC18A1;VAT1;Vesicular amine transporter 1;VMAT1;SLC18A1 VAT1 VMAT1;Chromaffin granule amine transporter (Solute carrier family 18 member 1) (Vesicular amine transporter 1) (VAT1)
Observed Band	50 kDa, 56 kDa
Calculated Molecular Weight	525 aa, 56 kDa
Cell Pathway	[Isoform 1]: Cytoplasmic vesicle membrane ; Multi-pass membrane protein . Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane ; Multi-pass membrane protein .; [Isoform 2]: Endoplasmic reticulum membrane ; Multi-pass membrane protein .
Tissue Specificity	Highly expressed in chromaffin cells of the adrenal medulla (at protein level). Detected in peripheral sympathetic ganglia (at protein level). Found in some paracrine cells in stomach and duodenum (at protein level).
Function	function:Involved in the vesicular transport of biogenic amines.,similarity:Belongs to the major facilitator superfamily. Vesicular transporter family.,
Background	The vesicular monoamine transporter acts to accumulate cytosolic monoamines into vesicles, using the proton gradient maintained across the vesicular membrane. Its proper function is essential to the correct activity of the



monoaminergic systems that have been implicated in several human neuropsychiatric disorders. The transporter is a site of action of important drugs, including reserpine and tetrabenazine (Peter et al., 1993 [PubMed 7905859]). See also SLC18A2 (MIM 193001).[supplied by OMIM, Mar 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images