VMAT2 Polyclonal Antibody

Catalog No	YP-Ab-07170
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB;ELISA
Gene Name	SLC18A2 SVMT VMAT2
Protein Name	Synaptic vesicular amine transporter (Monoamine transporter) (Solute carrier family 18 member 2) (Vesicular amine transporter 2) (VAT2)
Immunogen	Synthesized peptide derived from human protein . at AA range: 1-80
Specificity	VMAT2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	56kD
Cell Pathway	Cytoplasmic vesicle membrane; Multi-pass membrane protein.
Tissue Specificity	Brain,Platelet,Substantia nigra,Testis,
Function	function:Involved in the ATP-dependent vesicular transport of biogenic amine neurotransmitters. Pumps cytosolic monoamines including dopamine, norepinephrine, serotonin, and histamine into synaptic vesicles. Requisite for vesicular amine storage prior to secretion via exocytosis.,online information:Vesicular monoamine transporter entry,similarity:Belongs to the major facilitator superfamily. Vesicular transporter family.,
Background	The vesicular monoamine transporter acts to accumulate cytosolic monoamines into synaptic vesicles, using the proton gradient maintained across the synaptic 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 (summary by Peter et al., 1993 [PubMed 7905859]). See also SLC18A1 (MIM 193002).[supplied by OMIM, Jan 2011],

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