

VAMP-4 Polyclonal Antibody

Catalog No :	YT4851
Reactivity :	Human;Mouse
Applications :	IF;ELISA
Target :	VAMP4
Fields :	>>SNARE interactions in vesicular transport
Gene Name :	VAMP4
Protein Name :	Vesicle-associated membrane protein 4
Human Gene Id :	8674
Human Swiss Prot No :	O75379
Mouse Swiss Prot No :	O70480
Immunogen :	The antiserum was produced against synthesized peptide derived from human VAMP4. AA range:1-50
Specificity :	VAMP-4 Polyclonal Antibody detects endogenous levels of VAMP-4 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 16kD

Cell Pathway : SNARE interactions in vesicular transport;

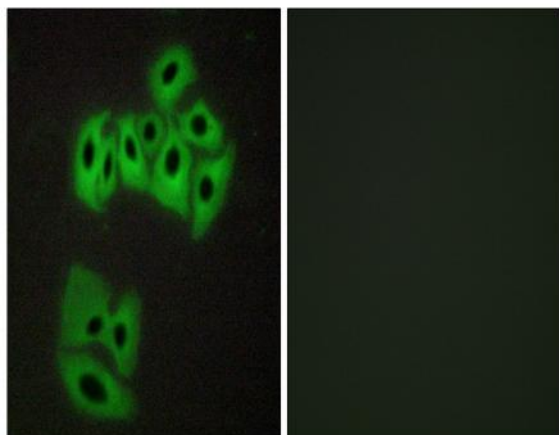
Background : Synaptobrevins/VAMPs, syntaxins, and the 25-kD synaptosomal-associated protein SNAP25 are the main components of a protein complex involved in the docking and/or fusion of synaptic vesicles with the presynaptic membrane. The protein encoded by this gene is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. This protein may play a role in trans-Golgi network-to-endosome transport. [provided by RefSeq, Jul 2008],

Function : function:Involved in the pathway that functions to remove an inhibitor (probably synaptotagmin-4) of calcium-triggered exocytosis during the maturation of secretory granules. May be a marker for this sorting pathway that is critical for remodeling the secretory response of granule.,similarity:Belongs to the synaptobrevin family.,similarity:Contains 1 v-SNARE coiled-coil homology domain.,subcellular location:Associated with trans Golgi network (TGN) and newly formed immature secretory granules (ISG). Not found on the mature secretory organelles.,subunit:Identified in a complex containing STX6, STX13, VAMP4 and VT11A.,

Subcellular Location : Golgi apparatus, trans-Golgi network membrane ; Single-pass type IV membrane protein . Associated with trans Golgi network (TGN) and newly formed immature secretory granules (ISG). Not found on the mature secretory organelles.

Expression : B-cell,Bone marrow,Epithelium,Liver,Urinary bladder,

Products Images



Immunofluorescence analysis of A549 cells, using VAMP4 Antibody. The picture on the right is blocked with the synthesized peptide.