

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

075379

O70480

Human Gene ld: 8674

Human Swiss Prot

Tullian Swiss From

No:

Mouse Swiss Prot

No:

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)

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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 VTI1A.,

Subcellular 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,

Sort: 24054

No4: 1

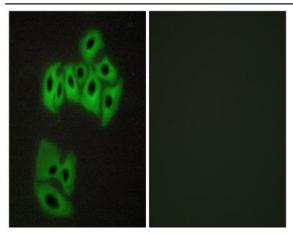
Location:

Host: Rabbit

Modifications: Unmodified

Products Images

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