

## VAMP-1/2/3 Polyclonal Antibody

Catalog No: YT4850

Reactivity: Human; Mouse; Rat

**Applications:** WB;IHC;IF;ELISA

Target: VAMP-1/2/3

**Fields:** >>SNARE interactions in vesicular transport

**Gene Name:** VAMP1/VAMP2/VAMP3

**Protein Name:** Vesicle-associated membrane protein 1/2/3

**Human Gene Id:** 6843/6844/9341

**Human Swiss Prot** 

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P23763/P63027/Q15836

Mouse Gene Id:

No:

22317/22318/22319

**Rat Gene Id:** 25624/24803/29528

Rat Swiss Prot No: Q63666/P63045/P63025

Immunogen: The antiserum was produced against synthesized peptide derived from human

VAMP-1/2/3. AA range:21-70

**Specificity:** VAMP-1/2/3 Polyclonal Antibody detects endogenous levels of VAMP-1/2/3

protein.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500-2000 IHC 1:100 - 1:300. ELISA: 1:10000. IF 1:50-200

**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)

Observed Band: 13kD

**Cell Pathway:** SNARE interactions in vesicular transport;

**Background:** Synapotobrevins, syntaxins, and the 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. Mutations in this gene are associated with autosomal dominant spastic ataxia 1. Multiple alternative splice variants have been described, but the full-length nature of some variants has not been defined.

[provided by RefSeq, Jul 2014],

**Function:** function:Involved in the targeting and/or fusion of transport vesicles to their

target membrane.,similarity:Belongs to the synaptobrevin family.,similarity:Contains 1 v-SNARE coiled-coil homology

domain., subunit: Interacts with VAPA and VAPB., tissue specificity: Nervous

system, skeletal muscle and adipose tissue.,

Subcellular Location:

[Isoform 1]: Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Single-pass type IV membrane protein. Cell junction, synapse, synaptosome.; [Isoform 2]: Cytoplasmic vesicle membrane; Single-pass type IV membrane protein. Cell junction, synapse, synaptosome.; [Isoform 3]: Mitochondrion outer

membrane; Single-pass type IV membrane protein

**Expression :** Nervous system, skeletal muscle and adipose tissue.

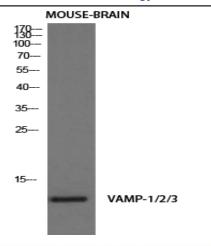
**Sort :** 24053

No4: 1

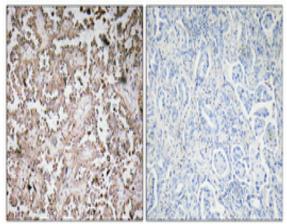
Host: Rabbit

Modifications: Unmodified

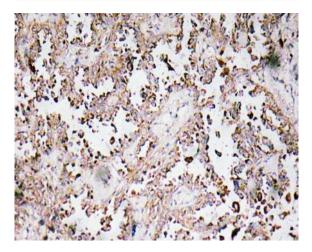
## **Products Images**



Western Blot analysis of mouse-brain cells using VAMP-1/2/3 Polyclonal Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was preabsorbed by immunogen peptide.



Immunohistochemistry analysis of VAMP-1/2/3 antibody in paraffin-embedded human lung carcinoma tissue.