

Rabbit VAMP4 Polyclonal Antibody | anti-VAMP4 antibody

Phospho-VAMP4 (Ser30) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329678	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

VAMP4; Polyclonal Antibody; Phospho-VAMP4 (Ser30) Antibody; VAMP 24; VAMP 4; VAMP-4; VAMP24; VAMP4 protein; VAMP4_HUMAN; Vesicle associated membrane protein 4; Vesicle associated membrane protein 4 isoform CRA a; Vesicle associated membrane protein 4 isoform CRA b; Vesicle-associated membrane protein 4; anti-VAMP4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-VAMP4 (Ser30) Antibody detects endogenous levels of VAMP4 only when phosphorylated at Ser30.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-VAMP4 antibody	ELISA (Peptide ELISA), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human VAMP4 around the phosphorylation site of Ser30.
Conjugation	Unconjugated
Fragment	Fab fragment
Subunit Structure	Identified in a complex containing STX6, STX12, VAMP4 and VT11A (By similarity). Interacts with BAIAP3; this interaction is increased in the presence of calcium.
Similarity	Belongs to the synaptobrevin family.
Subcellular Location	Golgi apparatus>trans-Golgi network membrane>Single-pass type IV membrane protein. Note: Associated with trans Golgi network (TGN) and newly formed immature secretory granules (ISG). Not found on the mature secretory organelles.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



Application Data

At 25 degree C. Samples were then incubated with primary Ab(At 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry)

At 1/200 staining Human liver cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemisry)

At 1/200 staining Mouse brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohiostchemistry)

Staining Rat lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of VAMP4 (Phospho-Ser30) using HeLa whole cell lysates.-/+ means absence or presence of N peptide¼non-phospho peptide) and P peptide(phospho peptide).

ADDITIONAL INFORMATION

Related Product Information for anti-VAMP4 antibody	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.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	20141854
NCBI GeneID	8674
UniProt Accession #	O75379; Q96IY9; Q96J20; Q9UEL7; A2IDD8
Molecular Weight	141
NCBI Official Full Name	Vesicle-associated membrane protein 4
NCBI Official Synonym Full Names	vesicle-associated membrane protein 4
NCBI Official Symbol	VAMP4
NCBI Official Synonym Symbols	VAMP-4; VAMP24
NCBI Protein Information	vesicle-associated membrane protein 4
UniProt Protein Name	Vesicle-associated membrane protein 4
UniProt Gene Name	VAMP4
UniProt Synonym Gene Names	VAMP-4
UniProt Entry Name	VAMP4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/vamp4-antibody-peptide-elisa-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/329678>