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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 600-401-FV8

VAMP7 Antibody

Overview

Description:	Anti-VAMP7 (RABBIT) Antibody - 600-401-FV8
Item No.:	600-401-FV8
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	VAMP7 is a member of the soluble N-ethylmaleimide-sensitive factor attachment protein receptor (SNARE) family, localizing to late endosomes and lysosomes. VAMP7 is thought to mediate the fusion of endosomes to their target lysosomes as well as other exocytosis events during phagocytosis and neuritogenesis. VAMP7 interacts with the VPS9 ankyrin repeat protein VARP, a protein that localizes to early endosomes and thought to regulate endosome dynamics. Together with CD82, VAMP7 can modulate the signaling of EGFR by regulating its endocytosis from the plasma membrane.
Synonyms:	VAMP7 Antibody, SYBL1, TIVAMP, VAMP-7, TI-VAMP, SYBL1, Vesicle-associated membrane protein 7, Synaptobrevin-like protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	VAMP7
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-VAMP7 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the N-terminus of human VAMP7.

Purity/Specificity:	Anti-VAMP7 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least three isoforms of VAMP7 are known to exist; this antibody will detect the two longest isoforms. This antibody is predicted to not cross-react with other Ras-related proteins.
Relevant Links:	• UniProtKB - P51809 • GeneID - 6845 • NCBI - NP_001138621.1

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-VAMP7 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 25 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000
IF:	20 µg/mL
WB:	1 µg/mL

Formulation

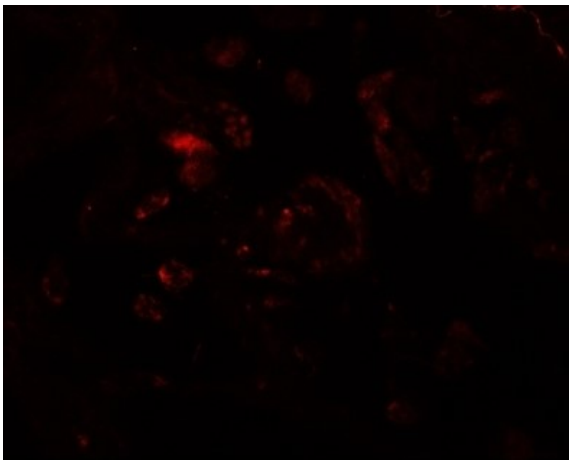
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

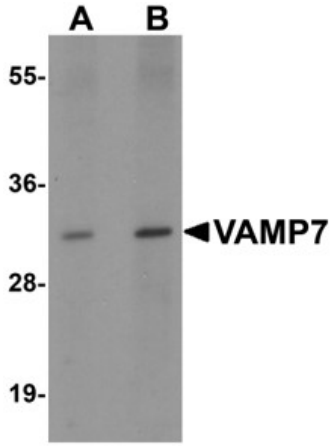
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunofluorescence Microscopy
Immunofluorescence of VAMP7.
Tissue: human lung tissue.
Primary Antibody: VAMP7 antibody at 20 µg/mL.



Western Blot
Western blot analysis of VAMP7.
Load: mouse lung tissue lysate.
Primary Antibody: VAMP7 antibody at (A) 0.5 and (B) 1 µg/mL.

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