

## Anti-VAMP7 Antibody

Catalog Number: A03201

### About VAMP7

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.

### Overview

Product Name	Anti-VAMP7 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-VAMP7 Antibody (Catalog # A03201). Tested in ELISA, WB, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, WB
Clonality	Polyclonal
Formulation	VAMP7 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	VAMP7 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P51809

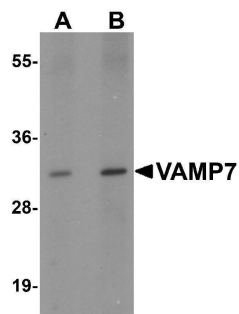
### Technical Details

Immunogen	VAMP7 antibody was raised against an 18 amino acid synthetic peptide near the amino terminus of human VAMP7. The immunogen is located within amino acids 20 - 70 of VAMP7.
Predicted Reactive Species	Bovine, Chicken
Cross Reactivity	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.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	VAMP7 Antibody is affinity chromatography purified via peptide column.

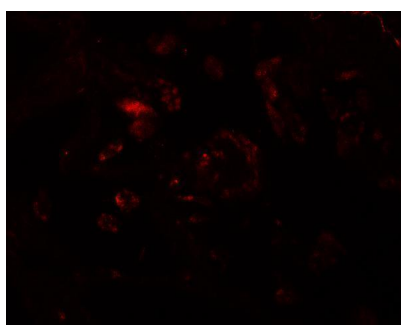
Suggested Dilutions

VAMP7 antibody can be used for detection of VAMP7 by Western blot at 0.5 - 1 ug/mL. For immunofluorescence start at 20 ug/mL.  
Antibody validated: Western Blot in mouse samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

## Anti-VAMP7 Antibody (A03201) Images



Western blot analysis of VAMP7 in mouse lung tissue lysate with VAMP7 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunofluorescence of VAMP7 in human lung tissue with VAMP7 antibody at 20 ug/mL.

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### Anti-VAMP7 Antibody

For Research Use Only. Not for use in diagnostic procedures.