Datasheet for ABIN1449946

anti-VAMP7 antibody (N-Term)

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Overview

Quantity:	0.1 mg
Target:	VAMP7
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VAMP7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	18 amino acid synthetic peptide near the amino terminus of Human VAMP7
Isotype:	IgG
Cross-Reactivity (Details):	Species reactivity (tested):Human, Mouse, Rat.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	VAMP7
Alternative Name:	VAMP-7 / SYBL1 (VAMP7 Products)
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

Target Details

	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: Synaptobrevin-like protein 1, Tetanus-insensitive VAMP, Ti-VAMP, VAMP7, Vesicle-associated membrane protein 7
Gene ID:	6845
NCBI Accession:	NP_001172112

Application Details

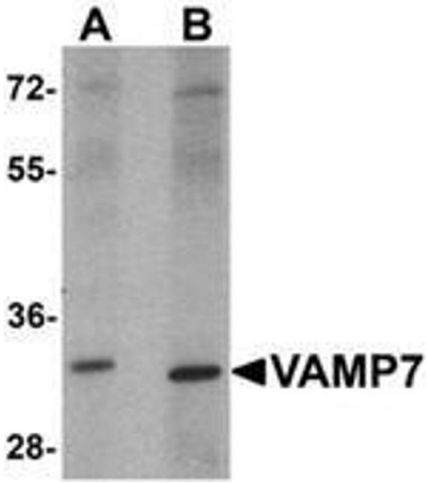
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.02 % Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Publications

Product cited in:	El Assar, Angulo, Santos-Ruiz, Ruiz de Adana, Pindado, Sánchez-Ferrer, Hernández, Rodríguez-Mañas: "Asymmetric dimethylarginine (ADMA) elevation and arginase up-regulation contribute to endothelial dysfunction related to insulin resistance in rats and morbidly obese humans." in: **The Journal of physiology**, Vol. 594, Issue 11, pp. 3045-60, (2016) (PubMed).



Western Blotting

Image 1. Western blot analysis of VAMP7 in mouse lung tissue lysate with VAMP7 Antibody at 1 ug/mL.

