

Datasheet for ABIN264917 **anti-VAMP1 antibody**

[Go to Product page](#)

Overview

Quantity:	0.25 mg
Target:	VAMP1
Reactivity:	Human, Rat
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This VAMP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Isotype:	IgG
Specificity:	This antibody reacts to VAMP 1/2.
Purification:	Ammonium Sulfate Precipitation

Target Details

Target:	VAMP1
Alternative Name:	VAMP-1 / Synaptobrevin-1 (VAMP1 Products)
Background:	Vesicle-associated membrane protein 2 is essential for cAMP-regulated exocytosis. VAMP (also known as synaptobrevin) is part of the synaptic vesicle docking and fusion complex and plays a central role in neuroexocytosis. Two VAMP (vesicle-associated membrane protein) isoforms are expressed in the nervous system and are differently distributed among the specialized parts of the tissue. VAMP-1 and -2 are present in all tissues tested, including kidney,

Target Details

adrenal gland, liver, pancreas, thyroid, heart, and smooth muscle. The two isoforms are differentially expressed in various tissues and their level may depend on differentiation. VAMP-1 is restricted to exocrine pancreas and to kidney tubular cells, whereas VAMP-2 is the predominant isoform present in Langerhans islets and in glomerular cells. Both isoforms show a patchy vesicular intracellular distribution in confocal microscopy. Evidence for the importance of neuronal VAMPproteins in the physiology of all cells is indicated.Synonyms: VAMP-1/2, Vesicle associated membrane protein 1 and 2

Gene ID: 6843

NCBI Accession: [NP_055046](#)

UniProt: [P23763](#)

Application Details

Application Notes: Western Blot: 1 - 10 µg/mL. Immunoprecipitation: 5 - 15 µg/mL. Positive Control: Rat synaptic vesicles.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS with 0.08 % 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: -20 °C

Storage Comment: The antibody can be shipped at ambient temperature. Store (in aliquots) at -20 °C only.