

Product datasheet for **AP05018PU-N**

VAMP1 Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IP, WB
Recommended Dilution:	Western Blot: 1-10 µg/ml. Immunoprecipitation: 5-15 µg/ml. Positive Control: Rat synaptic vesicles.
Reactivity:	Human, Rat
Host:	Sheep
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Full length VAMP1/2 protein
Specificity:	This antibody reacts to VAMP 1/2.
Formulation:	PBS with 0.08% Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Ammonium Sulfate Precipitation
Conjugation:	Unconjugated
Storage:	The antibody can be shipped at ambient temperature. Store (in aliquots) at -20°C only. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	vesicle associated membrane protein 1
Database Link:	Entrez Gene 6843 Human P23763



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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, 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 VAMP proteins in the physiology of all cells is indicated.

Synonyms:

Vesicle associated membrane protein 1 and 2, VAMP-1/2