

DATASHEET

VAMP2 Rabbit Polyclonal Antibody

CAT. NO. APA14124

KEY FEATURES

Target	VAMP2	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

Involved in the targeting and/or fusion of transport vesicles to their target membrane . Major SNARE protein of synaptic vesicles which mediates fusion of synaptic vesicles to release neurotransmitters. Essential for fast vesicular exocytosis and activity-dependent neurotransmitter release as well as fast endocytosis that mediates rapid reuse of synaptic vesicles . Modulates the gating characteristics of the delayed rectifier voltage-dependent potassium channel KCNB1.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IHC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

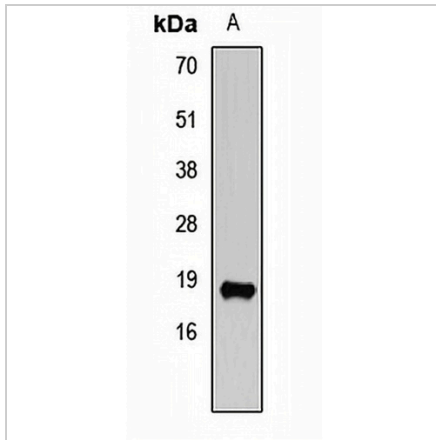
Description	Rabbit polyclonal antibody to VAMP2
Specificity	Recognizes endogenous levels of VAMP2 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human VAMP2
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 12 kD; Observed: 18 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	SYB2; Vesicle-associated membrane protein 2; VAMP-2; Synaptobrevin-2
Gene Symbol	VAMP2
Entrez Gene	6844(Human); 22318(Mouse); 24803(Rat)
SwissProt	P63027(Human); P63044(Mouse); P63045(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

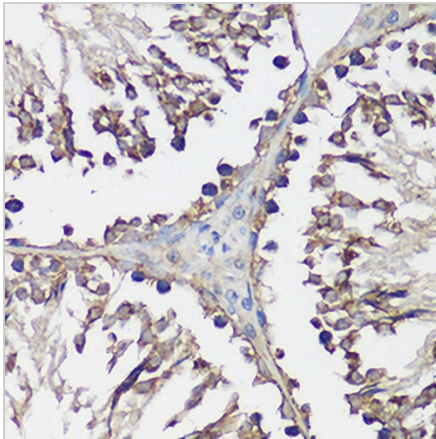
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET**VAMP2 Rabbit Polyclonal Antibody**

CAT. NO. APA14124

DATA

Western blot analysis of VAMP2 expression in Brain (A) whole cell lysates. (Predicted band size: 12 kD; Observed band size: 18 kD)



Immunohistochemical analysis of VAMP2 staining in rat testis formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.