ARG41017
anti-VAMP4 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes VAMP4
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	VAMP4
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-115 of Human VAMP4 (NP_003753.2).
Conjugation	Un-conjugated
Alternate Names	VAMP24; VAMP-4; Vesicle-associated membrane protein 4

Application Instructions

Application table

Application	Dilution
WB	1:200 - 1:3000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: Mouse brain

Observed Size: 16 kDa

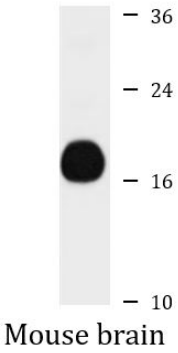
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	VAMP4
Gene Full Name	vesicle-associated membrane protein 4
Background	Synaptobrevins/VAMPs, syntaxins, and the 25-kD synaptosomal-associated protein SNAP25 are the main components of a protein complex involved in the docking and/or fusion of synaptic vesicles with the presynaptic membrane. The protein encoded by this gene is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. This protein may play a role in trans-Golgi network-to-endosome transport. [provided by RefSeq, Jul 2008]
Function	Involved in the pathway that functions to remove an inhibitor (probably synaptotagmin-4) of calcium-triggered exocytosis during the maturation of secretory granules. May be a marker for this sorting pathway that is critical for remodeling the secretory response of granule. [UniProt]
Calculated Mw	16 kDa
Cellular Localization	Golgi apparatus, trans-Golgi network membrane; Single-pass type IV membrane protein. Note=Associated with trans Golgi network (TGN) and newly formed immature secretory granules (ISG). Not found on the mature secretory organelles. [UniProt]

Images



ARG41017 anti-VAMP4 antibody WB image

Western blot: 25 µg of Mouse brain lysate stained with ARG41017 anti-VAMP4 antibody at 1:1000 dilution.