Rat VAP-B Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 699811

Catalog Number: FAB7329V

100 µg

DESCRIPTION

Species Reactivity	Rat
Specificity	Detects rat VAP-B in direct ELISAs and Western blots. In direct ELISAs, 100% cross-reactivity with recombinant human (rh) VAP-B and approximately 50% cross-reactivity with rhVAP-A is observed.
Source	Monoclonal Mouse IgG_1 Clone # 699811
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant rat VAP-B Ala2-Pro132 Accession # Q9Z269
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Vesicle-associated membrane protein (VAMP)-associated protein B (VAP-B; also VAMP-B) is an ~30 kDa ubiquitously expressed type IV transmembrane protein belonging to the VAP family. It is found in endoplasmic reticulum (ER), Golgi and other membranes as a homodimer or a heterodimer with VAP-A, probably associating through the transmembrane regions. Human VAP-B cDNA encodes a 222 amino acids (aa) cytoplasmic domain and a 21 aa C-terminal membrane anchor. Rat VAP-B shares 89% and 96% aa identity with mouse and human VAP-B, respectively. A soluble form can function as a ligand for EPH receptors. A human polymorphism of VAP-B, P56S, is found in three familial motor neuron diseases, notably the amylotrophic lateral sclerosis variant ALS8.

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