

VAMP7 (D4D5J) Rabbit mAb



Orders: 877-616-CELL (2355)

orders@cellsignal.com

877-678-TECH (8324) Support:

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Applications:	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 25	Source/Isotype: Rabbit IgG	UniProt ID: #P51809	Entrez-Gene Id: 6845
Product Usage Information	•	Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		VAMP7 (D4D5J) Rabbit mAb recognizes endogenous levels of total VAMP7 protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala94 of human VAMP7 protein.				
Background		are integral membrar SNAREs (v-SNAREs) w membrane protein 7 v-SNARE involved in e remodeling, neurite c VAMP7 can be regula exocytosis (4). VAMP7 exchange factor Varp neurite outgrowth as appears to have a key immunological synap	ne proteins involved ith cognate target (VAMP7), or tetanus exocytosis of granul outgrowth, lysosom ted by c-Src-mediat (5,6). Several resea well as potential no role in T-cell activase (10). The VAMP7	-sensitive factor attachn lin vesicle transport and MARE (t-SNARE) proteins neurotoxin-insensitive ses and synaptic vesicles al secretion, and autophed tyrosine phosphorylater that surological activities, incition by facilitating the reprotein interacts with A osome maturation through	I membrane fusion s (reviewed in 1,2). VAMP (TI-VAMP), is in various cell types agosome maturation, which activate raction with the gua VAMP7 plays an imuding anxiety (7-9). ecruitment of vesicus (G16L, a componen	that pair vesicular //esicle-associated a widely expressed s, membrane on (3). Activity of s VAMP7-mediated anine nucleotide portant role in VAMP7 also alar Lat to the t of the ATG5-
Background References		 Jena, B.P. (2011) Adv Exp Med Biol 713, 13-32. Kasai, H. et al. (2012) Physiol Rev 92, 1915-64. Galli, T. et al. (1998) Mol Biol Cell 9, 1437-48. Burgo, A. et al. (2013) J Biol Chem 288, 11960-72. Burgo, A. et al. (2012) Dev Cell 23, 166-80. Schäfer, I.B. et al. (2012) Nat Struct Mol Biol 19, 1300-9. Martinez-Arca, S. et al. (2000) J Cell Biol 149, 889-900. Alberts, P. et al. (2003) Mol Biol Cell 14, 4207-20. Danglot, L. et al. (2012) J Neurosci 32, 1962-8. Larghi, P. et al. (2013) Nat Immunol 14, 723-31. Moreau, K. et al. (2011) Cell 146, 303-17. 				
Species Reacti	vity	Species reactivity is d	etermined by testir	g in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS. 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				

TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting

Cross-Reactivity Key

H: Human M: Mouse R: Rat

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