14811 store at -200

VAMP7 (D4D5J) Rabbit mAb



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3 Trask Lane | Danvers | Massachusetts | 01923 | USA

Applications: WB	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 25	Source/Isotype: Rabbit IgG	UniProt ID: #P51809	Entrez-Gene Id 6845	
Product Usage Information	Ap	plication			Dilution		
illormation	We	estern Blotting			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 SNA assi exp mer Acti med nucl role app imm	integral membrane AREs (v-SNAREs) vociated membrane pressed v-SNARE in mbrane remodeling, vity of VAMP7 can be diated exocytosis (4) leotide exchange far in neurite outgrowtlears to have a key ununological synapse	proteins involved with cognate targe protein 7 (VAMP7 volved in exocyto neurite outgrowth the regulated by compact of the protein T-cell activity (10). The VAMP	r-sensitive factor attachment in vesicle transport and et SNARE (t-SNARE) property, or tetanus neurotoxin esis of granules and synah, lysosomal secretion, -Src-mediated tyrosine particular of the veral research studies intial neurological activitication by facilitating the protein interacts with a maturation through hor	I membrane fusion that oteins (reviewed in 1, -insensitive VAMP (TI aptic vesicles in various and autophagosome in the obosphorylation, which indicate that VAMP7 es, including anxiety (arcruitment of vesicula ATG16L, a componenticate in the other componenticates in the other compon	at pair vesicular 2). VesicleVAMP), is a widely us cell types, maturation (3). h activates VAMP7- h the guanine plays an important 7-9). VAMP7 also ur Lat to the t of the ATG5-ATG12	
2. Kasai, H. et al. (2 3. Galli, T. et al. (19 4. Burgo, A. et al. (2 5. Burgo, A. et al. (2 6. Schäfer, I.B. et a 7. Martinez-Arca, S			dv Exp Med Biol 713, 13-32. 2) Physiol Rev 92, 1915-64. Mol Biol Cell 9, 1437-48. 3) J Biol Chem 288, 11960-72. 2) Dev Cell 23, 166-80. 2012) Nat Struct Mol Biol 19, 1300-9. al. (2000) J Cell Biol 149, 889-900. 3) Mol Biol Cell 14, 4207-20.				

Species Reactivity

Species reactivity is determined by testing in at least one approved 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.

Applications Key

WB: Western Blotting

Cross-Reactivity Key

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster

X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

9. Danglot, L. et al. (2012) *J Neurosci* 32, 1962-8. 10. Larghi, P. et al. (2013) Nat Immunol 14, 723-31. 11. Moreau, K. et al. (2011) Cell 146, 303-17.

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