

3876

VAMP7 (D8Y1R) Rabbit mAb (IF Specific)



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Applications: IF-IC	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 25	Source/Isotype: Rabbit IgG	UniProt ID: #P51809	Entrez-Gene Id 6845
Product Usage Information		Application Immunofluorescence	e (Immunocytochem	nistry)		Dilution 1:200
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.				
Specificity/Sensitivity		VAMP7 (D8Y1R) Rabbit mAb (IF Specific) recognizes endogenous levels of total VAMP7 protein.				
Species predicted to react based on 100% sequence homology		Mouse, Rat				
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 membral SNAREs (v-SNAREs) we membrane protein 7 v-SNARE involved in exempted in the control of the	ne proteins involved vith cognate target S (VAMP7), or tetanus exocytosis of granul- outgrowth, lysosom- ated by c-Src-mediati 7 activity can also be o (5,6). Several resea s well as potential ne y role in T-cell activa ose (10). The VAMP7	-sensitive factor attachm l in vesicle transport and NARE (t-SNARE) proteins a neurotoxin-insensitive vesicles al secretion, and autoph ed tyrosine phosphoryla regulated through inter rch studies indicate that eurological activities, including tion by facilitating the re protein interacts with Al osome maturation throu	I membrane fusion (reviewed in 1,2). VAMP (TI-VAMP), is in various cell type agosome maturatition, which activate action with the gu VAMP7 plays an inuding anxiety (7-9) ecruitment of vesica (TG16L, a componer	that pair vesicular Vesicle-associated a widely expressed s, membrane on (3). Activity of es VAMP7-mediated anine nucleotide portant role in . VAMP7 also ular Lat to the at of the ATG5-
Background References		1. Jena, B.P. (2011) <i>Adv Exp Med Biol</i> 713, 13-32. 2. Kasai, H. et al. (2012) <i>Physiol Rev</i> 92, 1915-64. 3. Galli, T. et al. (1998) <i>Mol Biol Cell</i> 9, 1437-48. 4. Burgo, A. et al. (2013) <i>J Biol Chem</i> 288, 11960-72. 5. Burgo, A. et al. (2012) <i>Dev Cell</i> 23, 166-80. 6. Schäfer, I.B. et al. (2012) <i>Nat Struct Mol Biol</i> 19, 1300-9. 7. Martinez-Arca, S. et al. (2000) <i>J Cell Biol</i> 149, 889-900. 8. Alberts, P. et al. (2003) <i>Mol Biol Cell</i> 14, 4207-20. 9. Danglot, L. et al. (2012) <i>J Neurosci</i> 32, 1962-8. 10. Larghi, P. et al. (2013) <i>Nat Immunol</i> 14, 723-31. 11. Moreau, K. et al. (2011) <i>Cell</i> 146, 303-17.				

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Applications Key IF-IC: Immunofluorescence (Immunocytochemistry)

Cross-Reactivity Key H: Human

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