Rab3A Antibody

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: WB	Reactivity: H M R	Sensitivity: Endogenous	MW (kDa): 25	Source: Rabbit	UniProt ID: #P20336	Entrez-Gene Id: 5864
Product Usage Information	•	pplication /estern Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
Specificity / Sensitivity		Rab3A Antibody detects endogenous levels of total Rab3A protein.				
Source / Purification		Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Glu148 of human Rab3A. Antibodies are purified by peptide affinity chromatography.				
Background	traf neu (su acti chr is ir its o	fficking. Members of th urotransmitters and ho ich as rat PC-12 cells) ive GTP-bound Rab3, romaffin granule secre nvolved in controlling	he Rab3 subfamily prmones (1). Rab3), and in human pa A and the inactive etion during late me synaptic vesicle ta	, including Rab3A-3 A is primarily expres ncreatic β cells (3,4 GDP-bound form, R embrane release (5, rgeting and docking	s essential for regulating D, are involved in the ex seed in neurons (2), neur). By acting as a molecu ab3A inhibits synaptic ve 6). Loss-of-function stud at the active zone (7). T ling between synaptic ve	ocytosis of roendocrine cells lar switch between esicle and ies suggest Rab3A Through binding to
Background References		 Zerial, M. and McBride, H. (2001) Nat Rev Mol Cell Biol 2, 107-17. Geppert, M. et al. (1994) Nature 369, 493-7. Weber, E. et al. (1996) J Biol Chem 271, 6963-71. Yaekura, K. et al. (2003) J Biol Chem 278, 9715-21. Johannes, L. et al. (1994) EMBO J 13, 2029-37. Geppert, M. et al. (1997) Nature 387, 810-4. Leenders, A.G. et al. (2001) Mol Biol Cell 12, 3095-102. Coppola, T. et al. (2001) J Cell Sci 114, 1757-64. 				
Species Reactivity	y Spe	cies reactivity is deter	mined by testing in	n at least one appro	ved application (e.g., we	stern 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	3: Western Blotting				
Cross-Reactivity I	X: X		B: bovine Dg: dog	Pg: pig Sc: S. cere	Mi: mink C: chicken Dn visiae Ce: C. elegans Hi	
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