1/1/24, 7:17 AM Revision 1

Store at -20C	Rab1A (D3X9S) Rabbit mAb	C T	ell Signaling
Store		Orders:	877-616-CELL (2355) orders@cellsignal.com
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For Research Lise Only	Not for Use in	Diagnostic Procedures.
FUI RESEAICH USE UIII	y. NUL IUL USE III	Diagnostic Frocedures.

Applications: WB, IF-IC	Reactivity: H M R	Sensitivity: Endogenous	<b>MW (kDa):</b> 22	Source/Isotype: Rabbit IgG	<b>UniProt ID:</b> #P62820	Entrez-Gene Id: 5861		
Product Usage Information	App	olication				Dilution		
mormation	Wes	stern Blotting				1:1000		
	Imm	nunofluorescence (I	mmunocytochen	nistry)		1:800		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.						
Specificity / Sensitiv	vity Rab1	Rab1A (D3X9S) Rabbit mAb recognizes endogenous levels of total Rab1A protein.						
Source / Purificatior		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Lys191 of human Rab1A protein.						
Background	in pro Rab1 Golg SNA Rab1 stack comp golgi medi Rab1 (7-9)	otein transport and LA localizes to a reg i compartments (2) RE complex associ L effector complex of king protein GRASF plex (4). Rab1A also in-84 to regulate Go iating the export of LA function requires	membrane restru- gion between the . Rab1A binds ar ated with COPII- containing severa 265, is essential for interacts with the olgi structure form newly synthesized an intrinsic GTF liating ER to Gold	member of the Ras sup ucturing (1). Early immu endoplasmic reticulum id recruits the COPII co coated, budding vesicle al proteins, including the or targeting and fusion the golgin tethering and of hation and function (5,6) id target proteins from E vase cycling activity faci ji transport, Rab1A is al	nofluorescence studie (ER) and the Golgi complex tethering factor is on the endoplasmic of COPII-coated vesic docking proteins giant i. Thus, Rab1A plays R to the Golgi. As with litated by associated	es determined that omplex, and in early r p115 to a cis- creticulum (3). A rotein GM130 and the cles with the Golgi tin (GOLGB1) and an important role in th other Rab proteins, GEF and GAP factors		
Background Referer	2. Sa 3. All 4. Mo 5. Ko 6. Sa 7. Nu 8. Pin 9. Ha 10. Hu	erial, M. and McBrid araste, J. et al. (199 lan, B.B. et al. (200 oyer, B.D. et al. (200 oreishi, M. et al. (200 atoh, A. et al. (2003) uoffer, C. et al. (199 nd, S.N. et al. (199 aas, A.K. et al. (200 Jang, J. et al. (201 oatova, Z. et al. (20	5) J Cell Sci 108 0) Science 289, 4 01) Traffic 2, 268 13) PLoS One 8, ) Traffic 4, 153-6: 4) J Cell Biol 125 7) J Cell Biol 125 7) J Cell Sci 120 ) Autophagy 7, 1	444-8. -76. e59821. L. ; 225-37. ; 239-52. ; 2997-3010. 7-26.	7-17.			
Species Reactivity	Speci	es reactivity is dete	rmined by testing	g in at least one approve	ed application (e.g., w	vestern blot).		
Western Blot Buffer		RTANT: For wester Tween® 20 at 4°C		membrane with diluted ng, overnight.	primary antibody in 5	% w/v BSA, 1X TBS,		
Applications Key	WB:	Western Blotting IF	-IC: Immunofluo	rescence (Immunocytoc	chemistry)			
Cross-Reactivity Ke	<b>X</b> : Xe	<ul> <li>H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster</li> <li>X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse</li> <li>GP: Guinea Pig Rab: rabbit All: all species expected</li> </ul>						

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Limited Uses

Rab1A (D3X9S) Rabbit mAb (#13075) Datasheet Without Images Cell Signaling Technology

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