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e at -20C	Sec31A (E1J5M) Rabbit mAb		Cell Signaling	
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	activity: Sensitivity: M R Mk Endogenous	MW (kDa): 95-140	Source/Isotype: Rabbit IgG	UniProt ID: #O94979	Entrez-Gene Id: 22872		
Product Usage Information	Application Western Blotting Immunofluorescence	(Immunocytocher	nistry)		Dilution 1:1000 1:800		
Storage			7.5), 150 mM NaCl, 100 o not aliquot the antibody		erol and less than		
Specificity / Sensitivity	Sec31A (E1J5M) Rabl	Sec31A (E1J5M) Rabbit mAb recognizes endogenous levels of total Sec31A protein.					
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ser1080 of human Sec31A protein.					
Background	complex, the Sec13/3 involved in transport o is initiated through the budding complex that Sec13/31 to form matu ER exit and is required have been identified, S ubiquitously expressed	L complex, and Sa f newly synthesize binding of the act directly binds targ ure COPII coat (4, d for both vesicle f Sec31A and Sec3 d in tissues and or bhoma, a novel fus	omposed of five cytosoli ar1. The COPII coat is lo ed proteins from the ER ivated G protein, Sar1, t et molecules (1-3). This 5). The Sec31 subunit o formation and ER-Golgi 1B, which share a seque gans, whereas Sec31B sion of Jak2 with Sec31A	cated at the ER/Golgi to the Golgi apparatus o the Sec23/24 comp pre-budding complex f COPII coat interacts transport. Two isoforn ence homology of 47.3 is enriched in brain au	i interface and is s (1). COPII formation lex to form a pre- further recruits with Sec13 at the ns of human Sec31 3% (6-8). Sec31A is nd testis (7,8). In		
Background Referenc	 es 1. Aridor, M. et al. (1992) 2. Miller, E.A. et al. (2003) 3. Mossessova, E. et al. 4. Barlowe, C. et al. (1100) 5. Bi, X. et al. (2007) 6. Shugrue, C.A. et al. 7. Tang, B.L. et al. (2008) 8. Stankewich, M.C. et al. 9. Van Roosbroeck, K. 	03) Cell 114, 497 al. (2003) Cell 114 994) Cell 77, 895- Dev Cell 13, 635-4 (1999) J Cell Sci 00) J Biol Chem 2 : al. (2006) J Cell 3	-509. , 483-95. 907. 5. 112 (Pt 24), 4547-56. 75, 13597-604. Sci 119, 958-69.				
Species Reactivity	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g., w	restern 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	IF-IC: Immunofluc	prescence (Immunocytoo	chemistry)			
Cross-Reactivity Key	X: Xenopus Z: zebrafis	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					
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Limited Uses							

Sec31A (E1J5M) Rabbit mAb (#13483) Datasheet Without Images Cell Signaling Technology

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