Store at -20C

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Sec31A (E1J5M) Rabbit mAb J. For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IF-IC	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 95-140	Source/Isotype: Rabbit IgG	UniProt ID: #O94979	Entrez-Gene Id: 22872
Product Usage Information		Application Western Blotting Immunofluorescence	(Immunocytochem	istry)		Dilution 1:1000 1:800
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		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 formation is initiated form a pre-budding c further recruits Sec13 with Sec13 at the ER e isoforms of human Se of 47.3% (6-8). Sec31A	1 complex, and Sar1 of newly synthesized through the binding omplex that directly 3/31 to form mature exit and is required f ec31 have been iden A is ubiquitously exp In classical Hodgkin	nposed of five cytosolic . The COPII coat is locat d proteins from the ER to of the activated G prot binds target molecules COPII coat (4,5). The Sec or both vesicle formatio tified, Sec31A and Sec37 ressed in tissues and or lymphoma, a novel fusi hibitor effects (9).	ed at the ER/Golgi o the Golgi apparat ein, Sar1, to the Se (1-3). This pre-bud c31 subunit of COP n and ER-Golgi trat I B, which share a s gans, whereas Sec:	interface and is tus (1). COPII c23/24 complex to ding complex II coat interacts nsport. Two equence homology 31B is enriched in
Background References		1. Aridor, M. et al. (199 2. Miller, E.A. et al. (20 3. Mossessova, E. et a 4. Barlowe, C. et al. (1 5. Bi, X. et al. (2007) <i>D</i> 6. Shugrue, C.A. et al. 7. Tang, B.L. et al. (200 8. Stankewich, M.C. et 9. Van Roosbroeck, K.	03) <i>Cell</i> 114, 497-50 I. (2003) <i>Cell</i> 114, 48 994) <i>Cell</i> 77, 895-90 <i>ev Cell</i> 13, 635-45. (1999) <i>J Cell Sci</i> 112 00) <i>J Biol Chem</i> 275, : al. (2006) <i>J Cell Sci</i> 1	9. 3-95. 7. (Pt 24), 4547-56. 13597-604. 19, 958-69.		
Species Reactiv	/ity	Species reactivity is d	etermined by testing	g in at least one approve	ed 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		W: Western Blotting IF-IC: Immunofluorescence (Immunocytochemistry)				
Cross-Reactivity Key		H: Human M: Mouse R: Rat Mk: Monkey				
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