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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