

Sec24A Antibody



Orders: 877-616-CELL (2355)

orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

H Mk	Sensitivity: Endogenous	MW (kDa): 120	Source/Isotype: Rabbit	UniProt ID: #O95486	Entrez-Gene Id: 10802
	Application Western Blotting Immunoprecipitation			Dilution 1:1000 1:50	
	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μ g/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.				
rity	Sec24A Antibody detects endogenous levels of total Sec24A protein. This antibody does not cross-react with other members of Sec24 family.				
on	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Phe52 of human Sec24A protein. Antibodies are purified by protein A and peptide affinity chromatography.				
	Coat Protein Complex II (COPII) is composed of five cytosolic proteins: Sec23/24 complex, Sec13/31 complex, and Sar1. COPII coat is located at the ER/Golgi interface and is involved in transport of newly synthesized proteins from the ER to the Golgi apparatus (1). COPII formation is initiated through the binding of the activated G protein, Sar1, to the Sec23/24 complex, thereby forming a prebudding complex that directly binds target molecules (1-3). The prebudding complex further recruits Sec13/31 to form mature COPII coat (4,5). The Sec24 subunit of COPII coat is thought to play a critical role in cargo selection (2,6). It binds directly to cargo proteins at the ER and brings them to COPII vesicles through interaction with Sec23. There are four Sec24 isoforms in human cells: Sec24A, Sec24B, Sec24C, and Sec24D (7). In mice, mutations in Sec24B have been linked to developmental defects (8,9).				
ences	1. Aridor, M. et al. (1998) <i>J Cell Biol</i> 141, 61-70. 2. Miller, E.A. et al. (2003) <i>Cell</i> 114, 497-509. 3. Mossessova, E. et al. (2003) <i>Cell</i> 114, 483-95. 4. Barlowe, C. et al. (1994) <i>Cell</i> 77, 895-907. 5. Bi, X. et al. (2007) <i>Dev Cell</i> 13, 635-45. 6. Miller, E. et al. (2002) <i>EMBO J</i> 21, 6105-13. 7. Tang, B.L. et al. (1999) <i>Biochem Biophys Res Commun</i> 258, 679-84. 8. Merte, J. et al. (2010) <i>Nat Cell Biol</i> 12, 41-6; sup pp 1-8. 9. Wansleeben, C. et al. (2010) <i>Development</i> 137, 1067-73.				
	on	Western Blotting Immunoprecipitation Supplied in 10 mM soc 20°C. Do not aliquot the Sec24A Antibody detection with other members of Polyclonal antibodies a residues surrounding affinity chromatograph Coat Protein Complex complex, and Sar1. CO synthesized proteins finding of the activate complex that directly be to form mature COPII cargo selection (2,6). If through interaction with and Sec24D (7). In mice 1. Aridor, M. et al. (1992. Miller, E.A. et al. (2003. Mossessova, E. et al. 4. Barlowe, C. et al. (1953. Bi, X. et al. (2007). De 6. Miller, E. et al. (2002). Tang, B.L. et al. (1999).	Western Blotting Immunoprecipitation Supplied in 10 mM sodium HEPES (pH 7.5 20°C. Do not aliquot the antibody. Sec24A Antibody detects endogenous lev with other members of Sec24 family. Polyclonal antibodies are produced by im residues surrounding Phe52 of human Se affinity chromatography. Coat Protein Complex II (COPII) is compo complex, and Sar1. COPII coat is located synthesized proteins from the ER to the 6 binding of the activated G protein, Sar1, to complex that directly binds target molecuto form mature COPII coat (4,5). The Sec2 cargo selection (2,6). It binds directly to cothrough interaction with Sec23. There are and Sec24D (7). In mice, mutations in Sec. 1. Aridor, M. et al. (1998) J Cell Biol 141, 61 2. Miller, E.A. et al. (2003) Cell 114, 497-50 3. Mossessova, E. et al. (2003) Cell 177, 895-90 5. Bi, X. et al. (2007) Dev Cell 13, 635-45. 6. Miller, E. et al. (2002) EMBO J 21, 6105-1 7. Tang, B.L. et al. (1999) Biochem Biophy	Western Blotting Immunoprecipitation Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/20°C. Do not aliquot the antibody. Sec24A Antibody detects endogenous levels of total Sec24A prote with other members of Sec24 family. Polyclonal antibodies are produced by immunizing animals with a residues surrounding Phe52 of human Sec24A protein. Antibodie affinity chromatography. Coat Protein Complex II (COPII) is composed of five cytosolic proteometers, and Sar1. COPII coat is located at the ER/Golgi interface synthesized proteins from the ER to the Golgi apparatus (1). COPI binding of the activated G protein, Sar1, to the Sec23/24 complex complex that directly binds target molecules (1-3). The prebuddir to form mature COPII coat (4,5). The Sec24 subunit of COPII coat cargo selection (2,6). It binds directly to cargo proteins at the ER athrough interaction with Sec23. There are four Sec24 isoforms in and Sec24D (7). In mice, mutations in Sec24B have been linked to 1. Aridor, M. et al. (1998) <i>J Cell Biol</i> 141, 61-70. 2. Miller, E.A. et al. (2003) <i>Cell</i> 114, 497-509. 3. Mossessova, E. et al. (2003) <i>Cell</i> 114, 483-95. 4. Barlowe, C. et al. (1994) <i>Cell</i> 77, 895-907. 5. Bi, X. et al. (2007) <i>Dev Cell</i> 13, 635-45. 6. Miller, E. et al. (2002) <i>EMBO J</i> 21, 6105-13. 7. Tang, B.L. et al. (1999) <i>Biochem Biophys Res Commun</i> 258, 679	Western Blotting 1:1000 Immunoprecipitation 1:50 Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% gl 20°C. Do not aliquot the antibody. Sec24A Antibody detects endogenous levels of total Sec24A protein. This antibody dwith other members of Sec24 family. Polyclonal antibodies are produced by immunizing animals with a synthetic peptide residues surrounding Phe52 of human Sec24A protein. Antibodies are purified by pr affinity chromatography. Coat Protein Complex II (COPII) is composed of five cytosolic proteins: Sec23/24 com complex, and Sar1. COPII coat is located at the ER/Golgi interface and is involved in the synthesized proteins from the ER to the Golgi apparatus (1). COPII formation is initial binding of the activated G protein, Sar1, to the Sec23/24 complex, thereby forming a complex that directly binds target molecules (1-3). The prebudding complex further to form mature COPII coat (4,5). The Sec24 submit of COPII coat is thought to play a cargo selection (2,6). It binds directly to cargo proteins at the ER and brings them to through interaction with Sec23. There are four Sec24 isoforms in human cells: Sec24 and Sec24D (7). In mice, mutations in Sec24B have been linked to developmental defences 1. Aridor, M. et al. (1998) J Cell Biol 141, 61-70. 2. Miller, E. A. et al. (2003) Cell 114, 497-509. 3. Mossessova, E. et al. (2003) Cell 114, 497-509. 5. Bi, X. et al. (2007) Dev Cell 13, 635-45. 6. Miller, E. et al. (2002) EMBO J 21, 6105-13. 7. Tang, B.L. et al. (1999) Biochem Biophys Res Commun 258, 679-84.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

Applications Key

 $IMPORTANT: For western \ blots, incubate \ membrane \ with \ diluted \ primary \ antibody \ in \ 5\% \ w/v \ BSA, \ 1X$ TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

W: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key H: Human Mk: Monkey

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