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COPB Antibody (monoclonal) (M08)

Mouse monoclonal antibody raised against a partial recombinant COPB.
Catalog # AT1589a

Product Information

Application	E
Primary Accession	P53618
Other Accession	NM_016451
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	3E11
Calculated MW	107142

Additional Information

Gene ID	1315
Other Names	Coatomer subunit beta, Beta-coat protein, Beta-COP, COPB1, COPB
Target/Specificity	COPB (NP_057535, 854 a.a. ~ 953 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	COPB Antibody (monoclonal) (M08) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

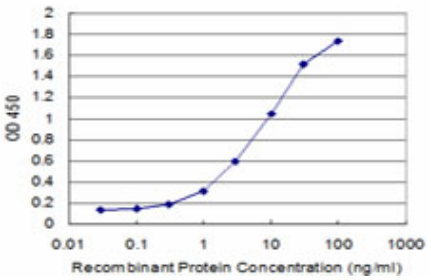
This gene encodes a protein subunit of the coatomer complex associated with non-clathrin coated vesicles. The coatomer complex, also known as the coat protein complex 1, forms in the cytoplasm and is recruited to the Golgi by activated guanosine triphosphatases. Once at the Golgi membrane, the coatomer complex may assist in the movement of protein and lipid components back to the endoplasmic reticulum. Alternatively spliced transcript variants have been described.

References

Scyl1, mutated in a recessive form of spinocerebellar neurodegeneration, regulates COPI-mediated retrograde traffic. Burman JL, et al. J Biol Chem, 2008 Aug 15. PMID 18556652.Characterization of the

interactome of the human MutL homologues MLH1, PMS1, and PMS2. Cannavo E, et al. J Biol Chem, 2007 Feb 2. PMID 17148452.Computational model explains high activity and rapid cycling of Rho GTPases within protein complexes. Goryachev AB, et al. PLoS Comput Biol, 2006 Dec 1. PMID 17140284.Insights into COPI coat assembly and function in living cells. Lippincott-Schwartz J, et al. Trends Cell Biol, 2006 Oct. PMID 16956762.A protein-protein interaction network for human inherited ataxias and disorders of Purkinje cell degeneration. Lim J, et al. Cell, 2006 May 19. PMID 16713569.

Images



Detection limit for recombinant GST tagged COPB is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.