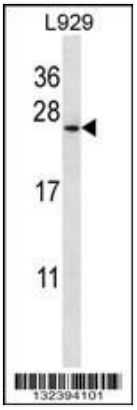
COPZ1 Antibody – Rabbit Polyclonal

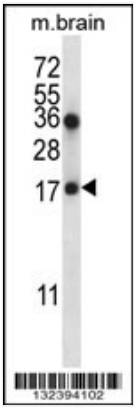
PRODUCT OVERVIEW

Product Name	COPZ1, Polyclonal Antibody
Full Product Name	COPZ1, NT (COPZ1, COPZ, Coatomer subunit zeta-1, Zeta-1-coat protein) (PE)
Product Gene Name	anti-COPZ1 antibody
Product Synonym Names	COPZ1; COPZ; Coatomer subunit zeta-1; Zeta-1-coat protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	22.3 kDa (197aa) confirmed by MALDI-TOF
3D Structure	ModBase 3D Structure for P61923
Immunogen	COPZ1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 23-53 amino acids from the N-terminal region of human COPZ1.
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-COPZ1 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-COPZ1 antibody	Western Blot (WB), FLISA
Application Notes for anti-COPZ1 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-COPZ1 antibody	The coatomer is a cytosolic protein complex that binds to dilysine motifs and reversibly associates with Golgi non-clathrin-coated vesicles, which further mediate biosynthetic protein transport from the ER, via the Golgi up to the trans Golgi network. Coatomer complex is required for budding from Golgi membranes, and is essential for the retrograde Golgi-to-ER transport of dilysine-tagged proteins. In mammals, the coatomer can only be recruited by membranes associated to ADP-ribosylation factors (ARFs), which are small GTP-binding proteins; the complex also influences the Golgi structural integrity, as well as the processing, activity, and endocytic recycling of LDL receptors (By similarity). The zeta subunit may be involved in regulating the coat assembly and, hence, the rate of biosynthetic protein transport due to its association-dissociation properties with the coatomer complex.
Product References and Citations for anti-COPZ1 antibody	Matsuoka, S., et al. Science 316(5828):1160-1166(2007). Lamesch, P., et al. Genomics 89(3):307-315(2007). Lippincott-Schwartz, J., et al. Trends Cell Biol. 16 (10), E1-E4 (2006): Wegmann, D., et al. Mol. Cell. Biol. 24(3):1070-1080(2004). Futatsumori, M., et al. J. Biochem. 128(5):793-801(2000).

Other Notes	Small volumes of anti-COPZ1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for COPZ1 purchase	MBS6287921 is an antibody targeting COPZ1. Also known as COPZ1, NT (COPZ1, COPZ, Coatomer subunit zeta-1, Zeta-1-coat protein) (PE). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-COPZ1 antibody
COPZ1 Antibody (N-term) western blot analysis in L929 cell line lysates (35ug/lane).This demonstrates the COPZ1 antibody detected the COPZ1 protein (arrow).



Western Blot (WB) of anti-COPZ1 antibody
COPZ1 Antibody (N-term) western blot analysis in mouse brain tissue lysates (35ug/lane).This demonstrates the COPZ1 antibody detected the COPZ1 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for COPZ1. It may not necessarily be applicable to this product.

NCBI GI #	7706337
NCBI GeneID	22818
NCBI Accession #	NP_057141.1
UniProt Primary Accession #	P61923
UniProt Secondary Accession #	Q549N6; Q9Y3C3; B4DDX8; B4DHZ0; F8VS17; F8VWL5
UniProt Related Accession #	P61923
GenBank Nucleotide #	NM_016057.1
NCBI Official Full Name	coatomer subunit zeta-1 isoform 1
NCBI Official Synonym Full Names	coatomer protein complex, subunit zeta 1
NCBI Official Symbol	COPZ1
NCBI Official Synonym Symbols	COPZ; CGI-120; HSPC181; zeta-COP; zeta1-COP
UniProt Protein Name	Coatomer subunit zeta-1
UniProt Synonym Protein Names	Zeta-1-coat protein
Protein Family	Coatomer
UniProt Gene Name	COPZ1
UniProt Synonym Gene Names	COPZ; Zeta-1 COP
UniProt Entry Name	COPZ1_HUMAN
NCBI Protein Information	coatomer subunit zeta-1

UniProt Comments for COPZ1	COPZ1: The coatomer is a cytosolic protein complex that binds to dilysine motifs and reversibly associates with Golgi non- clathrin-coated vesicles, which further mediate biosynthetic protein transport from the ER, via the Golgi up to the trans Golgi network. Coatomer complex is required for budding from Golgi membranes, and is essential for the retrograde Golgi-to-ER transport of dilysine-tagged proteins. In mammals, the coatomer can only be recruited by membranes associated to ADP-ribosylation factors (ARFs), which are small GTP-binding proteins; the complex also influences the Golgi structural integrity, as well as the processing, activity, and endocytic recycling of LDL receptors. Belongs to the adaptor complexes small subunit family. Protein type: Adaptor/scaffold; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 12q13.2-q13.3 Cellular Component: COPI vesicle coat; cytosol Biological Process: intracellular protein transport; intra-Golgi vesicle-mediated transport; COPI coating of Golgi vesicle; retrograde vesicle-mediated transport, Golgi to ER
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