COPZ1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	COPZ1, Polyclonal Antibody
Full Product Name	COPZ1 Rabbit pAb
Product Gene Name	anti-COPZ1 antibody
Product Synonym Names	COPZ; CGI-120; HSPC181; zeta-COP; zeta1-COP
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	19kDa
3D Structure	ModBase 3D Structure for P61923
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-177 of human COPZ1 (NP_057141.1).
Cellular Localization	Cytoplasm, Cytoplasmic Vesicle, Golgi Apparatus, Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-COPZ1 antibody	Western Blot (WB)
Application Notes for anti-COPZ1 antibody	WB: 1:500-1:2000
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.
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	MBS8548146 is an antibody targeting COPZ1. Also known as COPZ1 Rabbit pAb. Reactive in Human, Mouse. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	414144867
NCBI GeneID	22818

NCBI Accession #	NP_001258663.1
UniProt Primary Accession #	P61923
UniProt Related Accession #	P61923
GenBank Nucleotide #	NP_001258663.1
NCBI Official Full Name	coatomer subunit zeta-1 isoform 2
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
NCBI Summary for COPZ1	This gene encodes a subunit of the cytoplasmic coatamer protein complex, which is involved in autophagy and intracellular protein trafficking. The coatomer protein complex is comprised of seven subunits and functions as the coat protein of coat protein complex (COP)I-vesicles. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2012]
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
Research Articles on COPZ1	**1.** siRNA-mediated COPZ1 depletion causes abortive autophagy, endoplasmic reticulum stress, unfolded protein response and apoptosis in thyroid tumor cells.
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