

Rabbit anti-Human, Mouse COPZ1 Polyclonal Antibody | anti-COPZ1 antibody

COPZ1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324624	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

COPZ1; Polyclonal Antibody; COPZ1 Antibody; 5930435A22Rik; AA407760; CGI 120; Coatomer protein complex subunit zeta 1; Coatomer subunit zeta 1; Coatomer subunit zeta-1; COPZ; COPZ 1; COPZ1_HUMAN; D4Ertd360e; HSPC181; MGC118060; Zeta 1 coat protein; zeta 1 COP; zeta COP; Zeta-1 COP; Zeta-1-coat protein; Zeta1 COP; anti-COPZ1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	COPZ1 antibody detects endogenous levels of total COPZ1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	154
Applicable Applications for anti-COPZ1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Golgi Apparatus Membrane. Cytoplasmic Vesicle > COPI-Coated Vesicle Membrane. The coatomer is cytoplasmic or polymerized on the cytoplasmic side of the Golgi, as well as on the vesicles/buds originating from it.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324624 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)

AAA324624 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells using COPZ1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-COPZ1 antibody

Function: 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).

Subunit Structure: Oligomeric complex that consists of at least the alpha, beta, beta', gamma, delta, epsilon and zeta subunits.

Similarity: Belongs to the adaptor complexes small subunit family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	414144867
NCBI GeneID	22818
NCBI Accession #	NP_001258663.1
NCBI GenBank Nucleotide #	NM_001271734.1
UniProt Accession #	P61923; Q549N6; Q9Y3C3; B4DDX8; B4DHZ0; F8VS17; F8VWL5
Molecular Weight	Observed: 20 kD Predicted: 21 kDa
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
NCBI Protein Information	coatomer subunit zeta-1
UniProt Protein Name	Coatomer subunit zeta-1
UniProt Gene Name	COPZ1
UniProt Synonym Gene Names	COPZ; Zeta-1 COP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/copz1-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324624>