

Rabbit anti-Human, mouse COPB1 Polyclonal Antibody | anti-COPB1 antibody

COPB1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229797	Rabbit	Human, mouse	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

COPB1; Polyclonal Antibody; COPB1 Antibody; Coatomer subunit beta; COPB; MSTP026; Beta-coat protein; Beta-COP; anti-COPB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	Liquid
Sequence Length	953
Applicable Applications for anti-COPB1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Coatomer subunit beta protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-13337 / sc-13335 / sc-30091
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



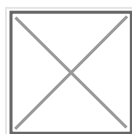
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human pancreatic tissue using AAA229797 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human adrenal gland tissue using AAA229797 at dilution of 1:100



WB (Western Blot)

Western blotAll lanes: COPB1 antibody at 1ug/mlLane 1: Hela whole cell lysateLane 2: Jurkat whole cell lysateLane 3: NIH/3T3 whole cell lysateLane 4: Mouse liver tissueLane 5: A549 whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 107 kDaObserved band size: 107 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-COPB1 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. Plays a functional role in facilitating the transport of kappa-type opioid receptor mRNAs into axons and enhances translation of these proteins. Required for limiting lipid storage in lipid droplets. Involved in lipid homeostasis by regulating the presence of perilipin family members PLIN2 and PLIN3 at the lipid droplet surface and promoting the association of adipocyte surface triglyceride lipase (PNPLA2) with the lipid droplet to mediate lipolysis (By similarity). Involved in the Golgi disassembly and reassembly processes during cell cycle. Involved in autophagy by playing a role in early endosome function. Plays a role in organellar compartmentalization of secretory compartments including endoplasmic reticulum (ER)-Golgi intermediate compartment (ERGIC), Golgi, trans-Golgi network (TGN) and recycling endosomes, and in biosynthetic transport of CAV1. Promotes degradation of Nef cellular targets CD4 and MHC class I antigens by facilitating their trafficking to degradative compartments.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	221316630
NCBI GeneID	1315
NCBI Accession #	NP_001137533.1
NCBI GenBank Nucleotide #	NM_001144061.1
UniProt Accession #	P53618; Q6GTT7; Q9NTK2; Q9UNW7; D3DQX0
Molecular Weight	107,142 Da
NCBI Official Full Name	coatomer subunit beta
NCBI Official Synonym Full Names	coatomer protein complex subunit beta 1
NCBI Official Symbol	COPB1
NCBI Official Synonym Symbols	COPB
NCBI Protein Information	coatomer subunit beta
UniProt Protein Name	Coatomer subunit beta
UniProt Gene Name	COPB1
UniProt Synonym Gene Names	COPB; Beta-COP
UniProt Entry Name	COPB_HUMAN

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/copb1-antibody-immunohistochemistry-western-blot-elisa/229797>