

Rabbit anti-Human COPS7B Polyclonal Antibody | anti-COPS7B antibody

COPS7B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327474	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

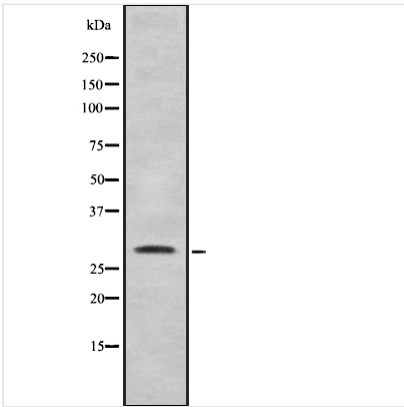
PRODUCT SYNONYMS

COPS7B; Polyclonal Antibody; COPS7B Antibody; COP9 Complex Homolog Subunit 7b; COP9 Constitutive Photomorphogenic Homolog Subunit 7b; COP9 Signalosome Subunit 7b; COP9 signalosome complex subunit 7b; CSN7B_HUMAN; JAB1 Containing Signalosome Subunit 7b; JAB1-containing signalosome subunit 7b; SGN7b; Signalosome subunit 7b; anti-COPS7B antibody

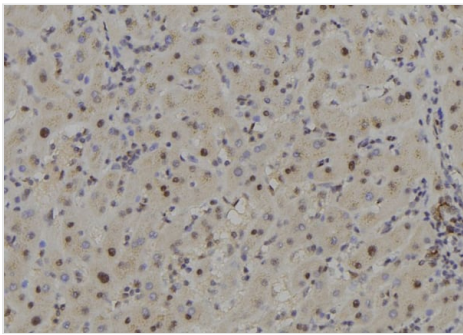
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	COPS7B antibody detects endogenous levels of total COPS7B
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	273
Applicable Applications for anti-COPS7B antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human COPS7B
Subcellular Location	Cytoplasm. Nucleus.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (88%), Bovine (88%), Horse (88%), Sheep (88%), Rabbit (100%), Dog (88%), Chicken (88%), Xenopus (88%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of COPS7B using HepG2 whole cell lysates



IHC (Immunohistochemistry)
AAA327474 at 1/100 staining Human liver 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.

ADDITIONAL INFORMATION

Related Product Information for anti-COPS7B antibody	Function: Component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2. The complex is also involved in phosphorylation of p53/TP53, JUN, I-kappa-B-alpha/NFKBIA, ITPK1 and IRF8/ICSBP, possibly via its association with CK2 and PKD kinases. CSN-dependent phosphorylation of TP53 and JUN promotes and protects degradation by the Ubl system, respectively. Subunit Structure: Component of the CSN complex, composed of COPS1/GPS1, COPS2, COPS3, COPS4, COPS5, COPS6, COPS7 (COPS7A or COPS7B), COPS8 and COPS9 isoform 1 (PubMed:11337588, PubMed:18850735, PubMed:26456823). In the complex, it probably interacts directly with COPS1, COPS2, COPS4, COPS5, COPS6 and COPS8 (PubMed:11337588, PubMed:18850735). Interacts with EIF3S6 (PubMed:12220626). Similarity: Belongs to the CSN7/EIF3M family. CSN7 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	545477731
NCBI GeneID	64708
NCBI Accession #	NP_001269879.1
NCBI GenBank Nucleotide #	NM_001282950.2
UniProt Accession #	Q9H9Q2; Q53S22; Q5BJG3; Q9H7V6
Molecular Weight	Observed: 30 kDa Predicted: 30 kDa
NCBI Official Full Name	COP9 signalosome complex subunit 7b isoform a
NCBI Official Synonym Full Names	COP9 signalosome subunit 7B
NCBI Official Symbol	COPS7B
NCBI Official Synonym Symbols	CSN7B; SGN7b
NCBI Protein Information	COP9 signalosome complex subunit 7b
UniProt Protein Name	COP9 signalosome complex subunit 7b
UniProt Gene Name	COPS7B
UniProt Synonym Gene Names	CSN7B; SGN7b; Signalosome subunit 7b

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/cops7b-antibody-immunohistochemistry-western-blot-elisa/327474>