

Rabbit COPS3 Polyclonal Antibody | anti-COPS3 antibody

COPS3 Antibody

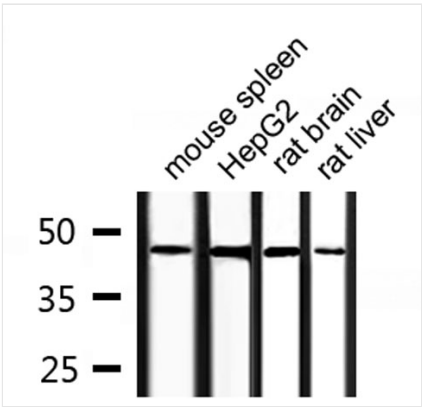
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320832	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

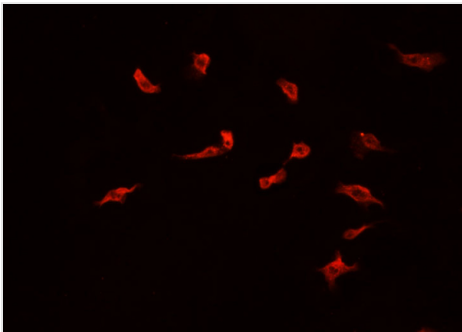
COPS3; Polyclonal Antibody; COPS3 Antibody; Constitutive photomorphogenic homolog subunit 3; COP 9 (constitutive photomorphogenic) subunit 3; COP 9 complex homolog subunit 3; COP 9 complex S3; COP 9 complex subunit 3; COP 9 constitutive photomorphogenic homolog subunit 3; COP 9 homolog; COP 9 signalosome complex subunit 3; COP 9 signalosome subunit 3; COP 9 subunit 3; COP9 (constitutive photomorphogenic) subunit 3; COP9 complex homolog subunit 3; COP9 complex S3; COP9 complex subunit 3; COP9 constitutive photomorphogenic homolog subunit 3; COP9 homolog; COP9 signalosome complex subunit 3; COP9 signalosome subunit 3; COP9 subunit 3; COPS 3; cops3; CSN 3; CSN3; CSN3_HUMAN; JAB 1 containing signalosome subunit 3; JAB1 containing signalosome subunit 3; JAB1-containing signalosome subunit 3; SGN 3; SGN3; Signalosome subunit 3; anti-COPS3 antibody

PRODUCT SPECIFICATIONS

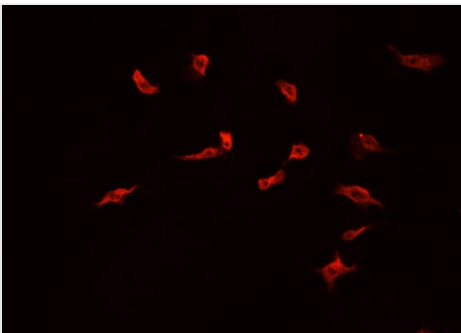
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	COPS3 antibody detects endogenous levels of total COPS3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	403
Applicable Applications for anti-COPS3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human COPS3
Subcellular Location	Cytoplasm. Nucleus.
Tissue Specificity	Widely expressed. Expressed at high level in heart and skeletal muscle.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



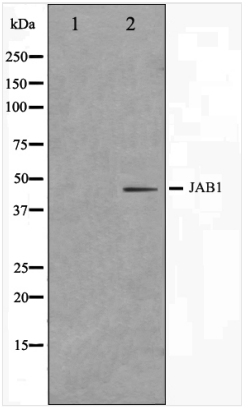
WB (Western Blot)
Western blot analysis of extracts from HepG2, mouse spleen, rat liver, rat brain, using COPS3 Antibody.



IF (Immunofluorescence)
AAA320832 staining A549 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.



IF (Immunofluorescence)
AAA320832 staining LOVO 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) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis on LOVO cell lysate using COPS3 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-COPS3 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, c-jun/JUN, Ikbapalpha/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:18850735, PubMed:26456823). In the complex, it probably interacts directly with COPS1, COPS4, COPS8 and COPS9 isoform 1 (PubMed:18850735, PubMed:26456823). Interacts with CK2 and PKD (PubMed:12628923). Interacts with the translation initiation factor EIF3S6 and IKBKG (PubMed:11418127, PubMed:12220626). Similarity: Belongs to the CSN3 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	312284090
NCBI GeneID	8533
NCBI Accession #	NP_001186054.1
NCBI GenBank Nucleotide #	NM_001199125.1

UniProt Accession #	Q9UNS2; O43191; Q7LDR6; B2R683; B4DY81
Molecular Weight	Observed: 47 kDa Predicted: 48 kDa
NCBI Official Full Name	COP9 signalosome complex subunit 3 isoform 2
NCBI Official Synonym Full Names	COP9 signalosome subunit 3
NCBI Official Symbol	COPS3
NCBI Official Synonym Symbols	CSN3; SGN3
NCBI Protein Information	COP9 signalosome complex subunit 3
UniProt Protein Name	COP9 signalosome complex subunit 3
UniProt Gene Name	COPS3
UniProt Synonym Gene Names	CSN3; SGN3; Signalosome subunit 3

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://www.aaabiotech.com/polyclonal/cops3-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/320832>