

COPS3 recombinant antibody

COPS3 Recombinant Monoclonal Antibody

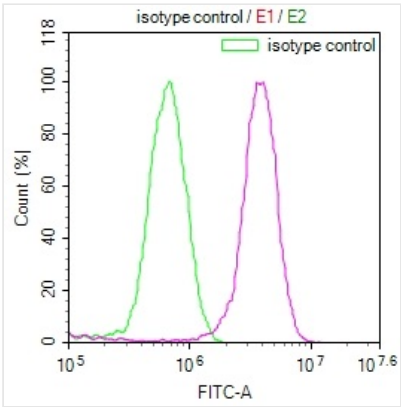
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA278978	HEK293F Cell	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

COPS3; Monoclonal Recombinant Antibody; COPS3 Recombinant Monoclonal Antibody; COP9 signalosome complex subunit 3 (SGN3)(Signalosome subunit 3)(JAB1-containing signalosome subunit 3); CSN3; COPS3 recombinant antibody

PRODUCT SPECIFICATIONS

Host	HEK293F Cell
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	3F9
Purity/Purification	Affinity purified
Form/Format	Liquid; PBS, 150mM NaCl, 0.02% sodium azide, 50% glycerol, pH 7.4.
Applicable Applications for COPS3 recombinant antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Species	Human
Immunogen	A synthesized peptide derived from Human COPS3
Conjugation	Non-conjugated
Research Area	Neuroscience; Cell biology
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.



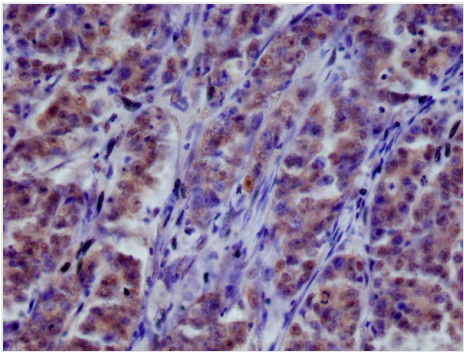
FCM/FACS (Flow Cytometry)

Overlay Peak curve showing MCF7 cells stained with AAA278978 (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*10⁶cells) for 45min at 4°. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG(H+L) at 1:200 dilution for 35min at 4°.Control antibody (green line) was rabbit IgG (1ug/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.



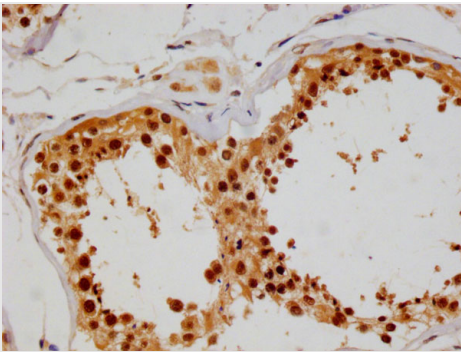
IF (Immunofluorescence)

Immunofluorescence staining of A549 cell with AAA278978 at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 535-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



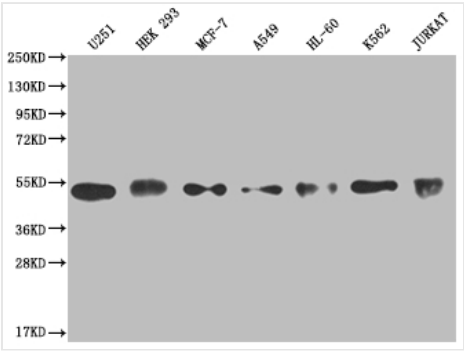
IHC (Immunohistochemistry)

IHC image of AAA278978 diluted at 1:100 and staining in paraffin-embedded human colon cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.



IHC (Immunohistochemistry)

IHC image of AAA278978 diluted at 1:100 and staining in paraffin-embedded human testis tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.



WB (Western Blot)

Western BlotPositive WB detected in: U251 whole cell lysate, HEK293 whole cell lysate, MCF-7 whole cell lysate, A549 whole cell lysate, HL-60 whole cell lysate, K562 whole cell lysate, Jurkat whole cell lysateAll lanes: COPS3 antibody at 1:2000SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 48, 46 kDaObserved band size: 40-55 kDa

ADDITIONAL INFORMATION

Related Product Information for COPS3 recombinant antibody	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, IkappaBalpha/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. {ECO:0000269 PubMed:11285227, ECO:0000269 PubMed:11337588, ECO:0000269 PubMed:12628923, ECO:0000269 PubMed:12732143, ECO:0000269 PubMed:9535219}.
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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	47,873 Da
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; signalosome subunit 3; COP9 complex subunit 3; JAB1-containing signalosome subunit 3; COP9 constitutive photomorphogenic homolog subunit 3
UniProt Protein Name	COP9 signalosome complex subunit 3
UniProt Gene Name	COPS3
UniProt Synonym Gene Names	CSN3; SGN3
UniProt Entry Name	CSN3_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/monoclonal/cops3-recombinant-antibody-clone-3f9-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/278978>