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ARG66606
anti-COPS3 / CSN3 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes COPS3 / CSN3
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	COPS3 / CSN3
Species	Human
Immunogen	Synthetic peptide within aa. 340-420 of Human COPS3 / CSN3.
Conjugation	Un-conjugated
Alternate Names	COP9 signalosome complex subunit 3; SGN3; JAB1-containing signalosome subunit 3; Signalosome subunit 3; CSN3

Application Instructions

Application table

Application	Dilution
ICC/IF	1:200 - 1:1000
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: 47 kDa

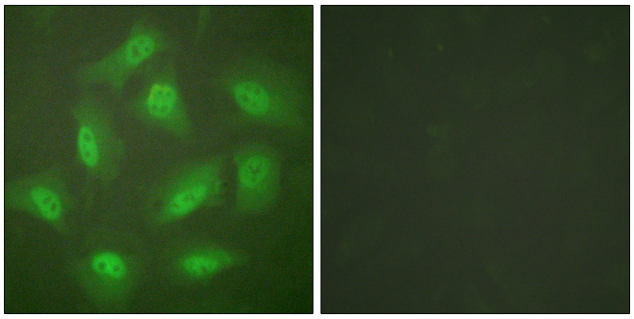
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

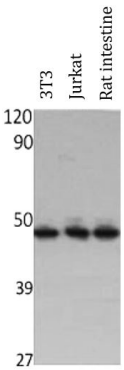
Gene Symbol	COPS3
Gene Full Name	COP9 signalosome subunit 3
Background	The protein encoded by this gene possesses kinase activity that phosphorylates regulators involved in signal transduction. It phosphorylates I kappa-Balpha, p105, and c-Jun. It acts as a docking site for complex-mediated phosphorylation. The gene is located within the Smith-Magenis syndrome region on chromosome 17. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]
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, 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. [UniProt]
Calculated Mw	48 kDa
Cellular Localization	Cytoplasm. Nucleus. [UniProt]

Images



ARG66606 anti-COPS3 / CSN3 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG66606 anti-COPS3 / CSN3 antibody. The picture on the right is blocked with the synthetic peptide.



ARG66606 anti-COPS3 / CSN3 antibody WB image

Western blot: 3T3, Jurkat and Rat intestine lysates stained with ARG66606 anti-COPS3 / CSN3 antibody.