

Recombinant COPS3 Monoclonal Antibody

catalog number: **AN301497L**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

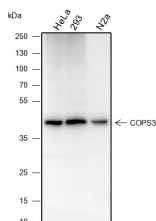
Description

Reactivity	Human;Rat;Mouse
Immunogen	Recombinant human COPS3 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	A192
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

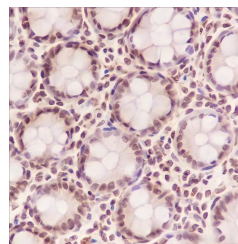
Applications Recommended Dilution

WB	1:500-1:1000
IHC	1:50-1:100
IF	1:50

Data

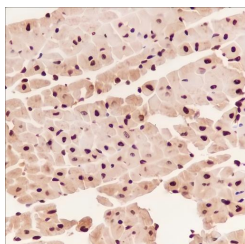


Western Blot with COPS3 Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: 293, Lane 3: N2a

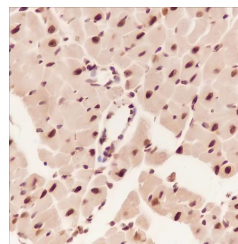


Immunohistochemistry of paraffin-embedded Human colon using COPS3 Monoclonal Antibody at dilution of 1:100.

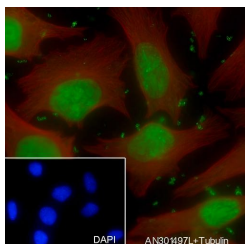
Observed-MW:44 kDa
Calculated-MW:44 kDa



Immunohistochemistry of paraffin-embedded Mouse cardiac muscle using COPS3 Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Rat cardiac muscle using COPS3 Monoclonal Antibody at dilution of 1:100.



Immunofluorescent analysis of (100% Ice-cold methanol) fixed HeLa cells using anti-COPS3 Monoclonal Antibody at dilution of 1:50.

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Rev. V1.0

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

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, IκappaBα/NFκBIA, 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.

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