For Research Use Only

CoraLite®594-conjugated COPS2 Monoclonal antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number:CL594-66435

Basic Information

Catalog Number:
CL594-66435

Size:
100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG1415

GenBank Accession Number:
BC012629

GeneID (NCBI):
9318

UNIPROT ID:
P61201

Full Name:
COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)

Calculated MW:
52 kDa

Observed MW:
52 kDa

Purification Method:
Protein G purification

CloneNo.:
2H10E6

Recommended Dilutions:
IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
IF

Species Specificity:
human, mouse, rat

Positive Controls:

IF-P : human ovary cancer cells,

Background Information

COPS2 is an essential 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.

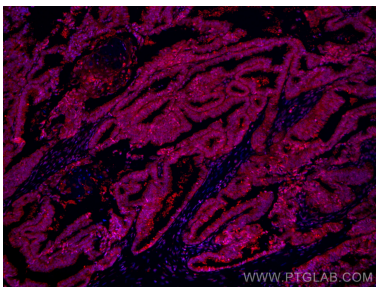
Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human ovary cancer cells using CoraLite®594 COPS2 antibody (CL594-66435, Clone: 2H10E6) at dilution of 1:200.