

CoraLite®594-conjugated COPS2 Monoclonal antibody

Catalog Number: **CL594-66435**

Basic Information

Catalog Number: CL594-66435	GenBank Accession Number: BC012629	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 9318	CloneNo.: 2H10E6
Source: Mouse	UNIPROT ID: P61201	Recommended Dilutions: IF-P 1:50-1:500
Isotype: IgG1	Full Name: COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG1415	Calculated MW: 52 kDa	
	Observed MW: 52 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF-P : human ovary cancer cells,
Species Specificity: human, mouse, rat	

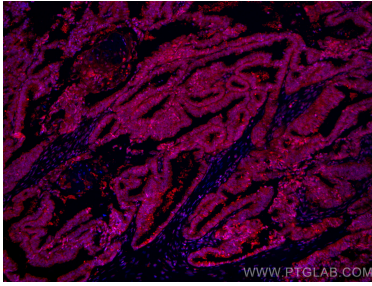
Background Information

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, IκappaBα/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

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.