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COPS4 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59152

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q9BT78
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46269

Additional Information

Gene ID	51138
Other Names	COP9 signalosome complex subunit 4, SGN4, Signalosome subunit 4, JAB1-containing signalosome subunit 4, COPS4, CSN4
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:50-200,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	COPS4
Synonyms	CSN4
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. Also involved in the deneddylation of non-cullin subunits such as STON2. The complex is also involved in phosphorylation of p53/TP53, c-jun/JUN, IkappaBalpha/NFKBIA, ITPK1, IRF8/ICSBP and SNAPIN, 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.
Cellular Location	Cytoplasm. Nucleus. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle

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