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COPS4 Antibody

Rabbit mAb
Catalog # AP92811

Product Information

Application	WB
Primary Accession	Q9BT78
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	CH4; COPS4; CSN4; DCH4; SGN4;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	46269

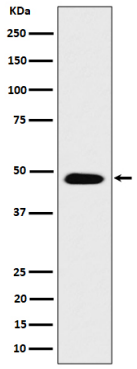
Additional Information

Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human COPS4
Description	Component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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

Images



Western blot analysis of COPS4 expression in SH-SY5Y cell lysate.

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