10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Cops4 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14014

Product Information

Application	WB
Primary Accession	Q68FS2
Other Accession	NM_001004275.1, CAAW13HP01P
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Chicken, Guinea Pig, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46290

Additional Information

Gene ID	360915
Alias Symbol	MGC94896
Other Names	COP9 signalosome complex subunit 4, SGN4, Signalosome subunit 4, JAB1-containing signalosome subunit 4, Cops4, Csn4
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Cops4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Cops4 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

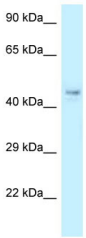
Name	Cops4
Synonyms	Csn4
Function	Component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes (By similarity). The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2 (By similarity). Also involved in the deneddylation of non-cullin subunits such as STON2 (By similarity). 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 (By similarity). CSN-dependent phosphorylation of TP53 and JUN promotes and protects degradation by the Ubl system, respectively (By similarity).
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:Q9BT78}. Nucleus {ECO:0000250|UniProtKB:Q9BT78}. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle

References

Granata A.,et al.EMBO J. 30:181-193(2011).

Images



WB Suggested Anti-Cops4 Antibody Titration: 1.0 µg/ml
Positive Control: Rat Lung

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.