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

Cops3 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14385

Product Information

Application	WB
Primary Accession	Q68FW9
Other Accession	NM_001004200, NP_001004200
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47859

Additional Information

Gene ID	287367
Other Names	COP9 signalosome complex subunit 3, SGN3, Signalosome subunit 3, Cops3, Csn3
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-Cops3 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	Cops3 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

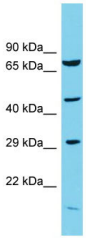
Name	Cops3
Synonyms	Csn3
Function	Component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes (By similarity). The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits 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). 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 (By similarity). CSN-dependent phosphorylation of TP53 and JUN promotes and

protects degradation by the Ubl system, respectively (By similarity). Essential to maintain the survival of epiblast cells and thus the development of the postimplantation embryo (By similarity). Mediates the interaction between the desmosome and COP9 signalosome complex (CSN) protein complex (By similarity). As a result of this interaction, promotes keratinocyte differentiation via deneddylation of EGFR resulting in a reduction in EGFR protein stabilization and translocation away from the cell membrane (By similarity).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q9UNS2}. Nucleus {ECO:0000250|UniProtKB:Q9UNS2}. Cell junction {ECO:0000250|UniProtKB:Q9UNS2}

Images



Host: Rabbit
Target Name: Cops3
Sample Tissue: Rat Testis lysates
Antibody Dilution: 1.0µg/ml

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