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Anti-COPS7A Antibody

Catalog # AP51752

Product Information

Application	WB
Primary Accession	Q9UBW8
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30277

Additional Information

Gene ID	50813
Other Names	CSN7A; DERP10; COP9 signalosome complex subunit 7a; SGN7a; Signalosome subunit 7a; Dermal papilla-derived protein 10; JAB1-containing signalosome subunit 7a
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human COPS7A. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

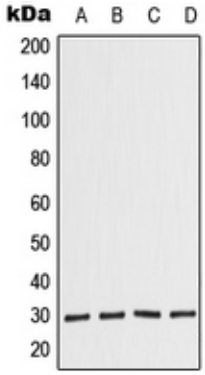
Name	COPS7A
Synonyms	CSN7A, DERP10
Function	Component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF- type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2. The complex is also involved in phosphorylation of p53/TP53, JUN, I-kappa-B-alpha/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.
Cellular Location	Cytoplasm. Nucleus

Tissue Location	Widely expressed. Expressed at high level in brain, heart and skeletal muscle.

References

Wang Y.,et al.Biochem. J. 366:79-86(2002).
Ikeda A.,et al.Submitted (MAY-1998) to the EMBL/GenBank/DDBJ databases.
Okaze H.,et al.Submitted (OCT-1999) to the EMBL/GenBank/DDBJ databases.
Lau S.K.,et al.Submitted (OCT-1999) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Images



Western blot analysis of COPS7A expression in JAR (A), HeLa (B), Raw264.7 (C), PC12 (D) whole cell lysates. (Predicted band size: 30 kD; Observed band size: 30 kD)

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