

Product name:	CSN3 Rabbit Polyclonal Antibody
Cat number:	ABN09458
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human JAB1. AA range:374-423
Reactivity:	Human,Mouse,Rat
Applications:	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight:	47kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

Background:

The protein encoded by this gene possesses kinase activity that phosphorylates regulators involved in signal transduction. It phosphorylates I kappa-Balpha, p105, and c-Jun. It acts as a docking site for complex-mediated phosphorylation. The gene is located within the Smith-Magenis syndrome region on chromosome 17. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015],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, c-jun/JUN, IkappaBalpha/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.,miscellaneous:Amplified and overexpressed in some osteosarcomas (OS), suggesting that it may participate in TP53 degradation in OS.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the CSN3 family.,similarity:Contains 1 PCI domain.,subunit:Component of the CSN complex, composed of COPS1/GPS1, COPS2, COPS3, COPS4, COPS5, COP6, COPS7 (COPS7A or COPS7B) and COPS8. In the complex, it probably interacts directly with COPS1, COPS4 and COPS8. Interacts with CK2 and PKD. Interacts with the translation initiation factor EIF3S6 and IKBKG.,tissue specificity:Widely expressed. Expressed at high level in heart and skeletal muscle.,