

Product datasheet

Anti-CSN4 antibody ab12322

★★★★★ 1 Abreviews 3 References 2 Images

Overview

Product name	Anti-CSN4 antibody
Description	Rabbit polyclonal to CSN4
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Dog, Turkey, Pig, Chimpanzee, Zebrafish, Rhesus monkey, Orangutan 
Immunogen	Synthetic peptide corresponding to Human CSN4 (C terminal). Database link: 51138
Positive control	HEK 293T cells.
General notes	This product was previously labelled as COPS4

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.1% Sodium azide Constituents: 0.021% PBS, 1.764% Sodium citrate, 1.815% Tris
Purity	Immunogen affinity purified
Purification notes	Purified using the peptide immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab12322** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 5 µg/ml.
WB	★★★★★	1/5000 - 1/25000. Predicted molecular weight: 49 kDa.

Target

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, IκappaBα/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.

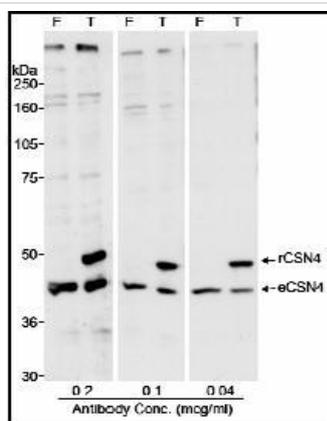
Sequence similarities

Belongs to the CSN4 family.
Contains 1 PCI domain.

Cellular localization

Cytoplasm. Nucleus.

Images



Western blot - Anti-CSN4 antibody (ab12322)

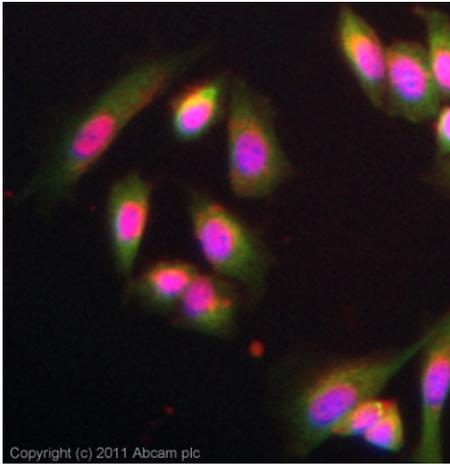
Detection of Human CSN4 by Western Blot. *Samples:* Whole cell lysate (50 mcg E; 25 mcg T) from HEK 293T cells that were mock transfected (E) or transfected with a CSN4 expression construct (T). *Antibody:* Affinity purified rabbit anti-CSN4 antibody BL1061 used at the indicated concentrations. *Detection:* Chemiluminescence with a 10 second exposure.

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Detection: Chemiluminescence with a 10 second exposure.



Immunocytochemistry/ Immunofluorescence - Anti-CSN4 antibody (ab12322)

ICC/IF image of ab12322 stained MCF7 cells. The cells were 4% PFA fixed (10mins) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab12322, 5µg/ml) overnight at +4°C. The secondary antibody (green) was ab96899 Dylight 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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