abcam

Product datasheet

Anti-CSN7b antibody ab11895

1 References 1 Image

Overview

Product name	Anti-CSN7b antibody
Description	Rabbit polyclonal to CSN7b
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat, Sheep, Rabbit, Horse, Chicken, Guinea pig, Cow, Dog, Turkey, Xenopus laevis, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Xenopus tropicalis
Immunogen	Immunogen was a synthetic peptide, which represented a portion of human constitutive photomorphogenic homolog 7b encoded within exon 10.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7 Preservative: 0.1% Sodium azide Constituents: 0.021% PBS, 1.764% Sodium citrate, 1.815% Tris
Purity	Immunogen affinity purified
Purification notes	Antibody was affinity purified using the peptide (immunogen) immobilized on solid support.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab11895 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
WB		1/1000 - 1/10000. Detects a band of approximately 33 kDa.

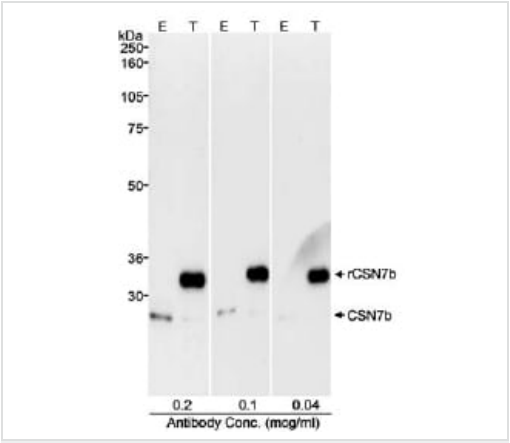
Target

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, 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.

Sequence similarities Belongs to the CSN7/EIF3M family. CSN7 subfamily.
Contains 1 PCI domain.

Cellular localization Cytoplasm. Nucleus.

Images



Western blot - Anti-CSN7b antibody (ab11895)

RIPA lysate (50µg for E; 25µg for T) from HEK293T cells that were mock transfected (E) or transfected with a CSN7b construct (T). *Antibody:* ab11895 used at the indicated concentration. *Detection:* Chemiluminescence with an exposure time of 30 seconds.

RIPA lysate (50µg for E; 25µg for T) from HEK293T cells that were mock transfected (E) or transfected with a CSN7b construct (T). Antibody: ab11895 used at the indicated concentration. Detection: Chemiluminescence with an exposure time of 30 seconds.

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