

Product datasheet

Anti-CSN2 antibody ab10426

1 References 2 Images

Overview

Product name	Anti-CSN2 antibody
Description	Rabbit polyclonal to CSN2
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Dog, Pig, Xenopus laevis, Chimpanzee, Drosophila melanogaster, Zebrafish, Rhesus monkey, Gorilla, Orangutan, Xenopus tropicalis ▲
Immunogen	Synthetic peptide corresponding to CSN2. The epitope recognized by ab10426 maps to a region between residues 1 and 50 of human CSN2. Database link: P61201
Positive control	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <p>Purchase matching WB positive control: Recombinant CSN2 protein ></p> </div> <p>Whole cell lysate from mock transfected or CSN2 transfected HEK293T cells. IHC human controls: Anaplastic Thyroid Carcinoma, Bladder Cell Carcinoma, Breast Carcinoma, Ovarian Carcinoma, Prostate Carcinoma, Small Cell Lung Cancer IHC mouse controls: Squamous Cell Carcinoma</p>
General notes	<p>CSN2 is a subunit of the JUN activation-domain binding protein 1 (JAB1), containing signalosome complex (or COP9 complex) which has kinase activity and phosphorylates C-JUN. The signalosome complex may play a role in signal transduction.</p> <p>This product was previously labelled as TRIP15</p>

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	Antibodies were affinity purified using the peptide immobilized on solid support.
Primary antibody notes	CSN2 is a subunit of the JUN activation-domain binding protein 1 (JAB1), containing signalosome complex (or COP9 complex) which has kinase activity and phosphorylates C-JUN. The signalosome complex may play a role in signal transduction.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab10426** in the following tested applications.

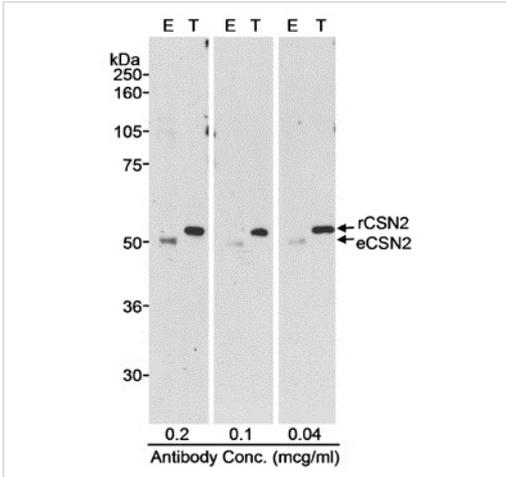
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 55 kDa (predicted molecular weight: 52 kDa).
IHC-P		1/1000 - 1/5000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

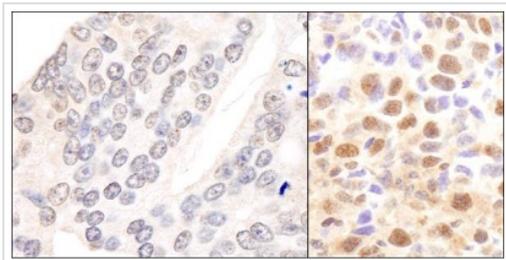
Function	Essential component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, 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. Involved in early stage of neuronal differentiation via its interaction with NIF3L1.
Sequence similarities	Belongs to the CSN2 family. Contains 1 PCI domain.
Post-translational modifications	Phosphorylated by CK2 and PKD kinases.
Cellular localization	Cytoplasm. Nucleus.

Images



Western blot - Anti-CSN2 antibody (ab10426)

Whole cell lysate (50 µg - E; 10 µg - T) from mock transfected (E) or CSN2 transfected (T) HEK293T cells. Antibody used at the indicated concentration.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CSN2 antibody (ab10426)

IHC-P section of human prostate carcinoma (left) and mouse squamous cell carcinoma (right).

Antibody used at a dilution of 1:5,000 (0.2 µg/ml) and 1:1,000 (1 µg/ml).

Detection: DAB

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors