

Product datasheet

Anti-CSN2 antibody ab223764

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: Human Predicted to work with: Mouse, Rat, Xenopus laevis, Drosophila melanogaster, Zebrafish 
Immunogen	Recombinant fragment corresponding to Human CSN2 aa 225-312. Sequence: KSAIPHPLIMGVIRECGGKMHLREGEFEKAHTDFFEAF KNYDESGSPRRT TCLKYLVLANMLMKSGINPFDSQEAKPYKNDPEILAMT Database link: P61201  Run BLAST with  Run BLAST with
Positive control	IHC: Human stomach tissue. WB: HEK-293T overexpressing CSN2 cell lysate.
General notes	This product was previously labelled as TRIP15

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol, PBS
Purity	Affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab223764** 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		1/100 - 1/250. Predicted molecular weight: 52 kDa.
IHC-P		1/20 - 1/50. 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, I κ B α /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.

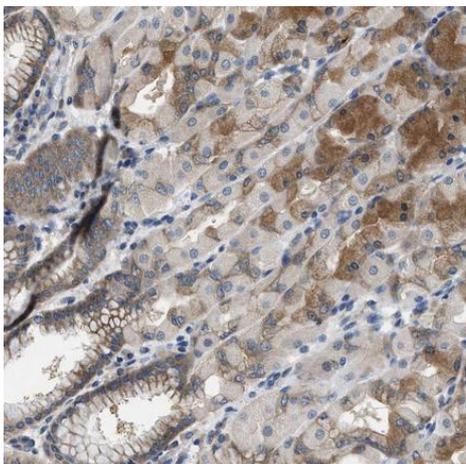
Post-translational modifications

Phosphorylated by CK2 and PKD kinases.

Cellular localization

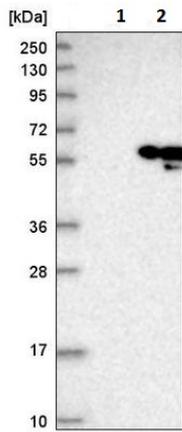
Cytoplasm. Nucleus.

Images



Paraffin-embedded human stomach tissue stained for CSN2 using ab223764 at 1/20 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CSN2 antibody (ab223764)



Western blot - Anti-CSN2 antibody (ab223764)

All lanes : Anti-CSN2 antibody (ab223764) at 1/100 dilution

Lane 1 : Vector only transfected HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) cell lysate

Lane 2 : HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) overexpressing CSN2 (co-expressed with a C-terminal myc-DDK tag), cell lysate

Developed using the ECL technique.

Predicted band size: 52 kDa

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