


### Anti-CSN2 antibody ab155920

3 Images

#### Overview

<b>Product name</b>	Anti-CSN2 antibody
<b>Description</b>	Rabbit polyclonal to CSN2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat, Chicken, Pig, Xenopus laevis, Monkey, Zebrafish, Xenopus tropicalis 
<b>Immunogen</b>	Recombinant fragment corresponding to Human CSN2 aa 1-443. Database link: <a href="#">P61201</a>
<b>Positive control</b>	293T, A431, HeLa, HepG2, NIH 3T3, JC and BCL1 whole cell lysates; Human U87 xenograft tissue.
<b>General notes</b>	<p>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.</p> <p>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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 79.99% PBS, 20% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab155920 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		1/5000 - 1/20000. Predicted molecular weight: 52 kDa.
IHC-P		1/100 - 1/1000.

## 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, IkkappaBalpha/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.

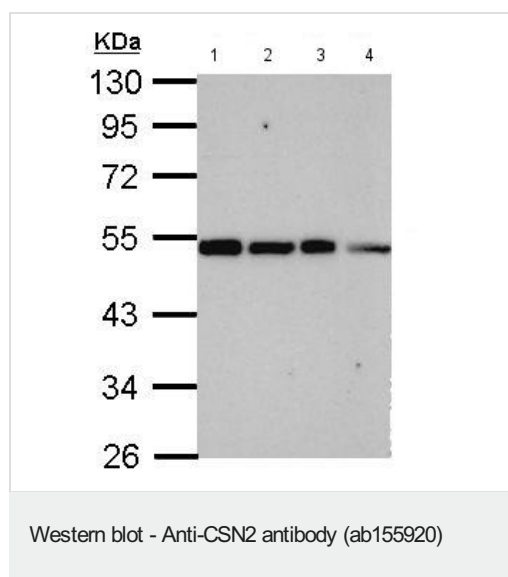
### Post-translational modifications

Phosphorylated by CK2 and PKD kinases.

### Cellular localization

Cytoplasm. Nucleus.

## Images



**All lanes :** Anti-CSN2 antibody (ab155920) at 1/10000 dilution

**Lane 1 :** 293T whole cell lysate

**Lane 2 :** A431 whole cell lysate

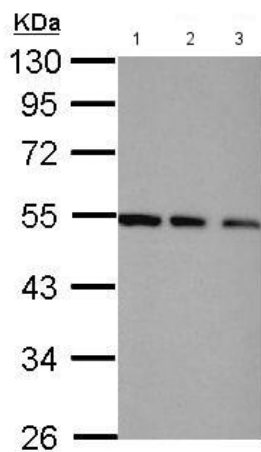
**Lane 3 :** HeLa whole cell lysate

**Lane 4 :** HepG2 whole cell lysate

Lysates/proteins at 30 µg per lane.

**Predicted band size:** 52 kDa

10% SDS PAGE



Western blot - Anti-CSN2 antibody (ab155920)

**All lanes :** Anti-CSN2 antibody (ab155920) at 1/5000 dilution

**Lane 1 :** NIH 3T3 whole cell lysate

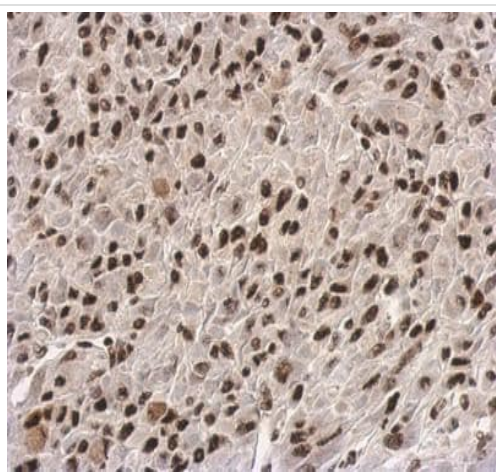
**Lane 2 :** JC whole cell lysate

**Lane 3 :** BCL1 whole cell lysate

Lysates/proteins at 30 µg per lane.

**Predicted band size:** 52 kDa

10% SDS PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CSN2 antibody (ab155920)

Immunohistochemical analysis of paraffin-embedded Human U87 xenograft tissue, labeling CSN2 with ab155920 at 1/500 dilution.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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