


Anti-CSNK2A1 antibody ab137788

[1 References](#) [6 Images](#)

Overview

Product name	Anti-CSNK2A1 antibody
Description	Rabbit polyclonal to CSNK2A1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Chicken, Cow 
Immunogen	Recombinant fragment corresponding to Human CSNK2A1 aa 166-360.
Positive control	293T, A431, H1299, HeLaS3, HepG2, Molt-4 and Raji cell lysates; Cal27 xenograft tissue.
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab137788 in the following tested applications.

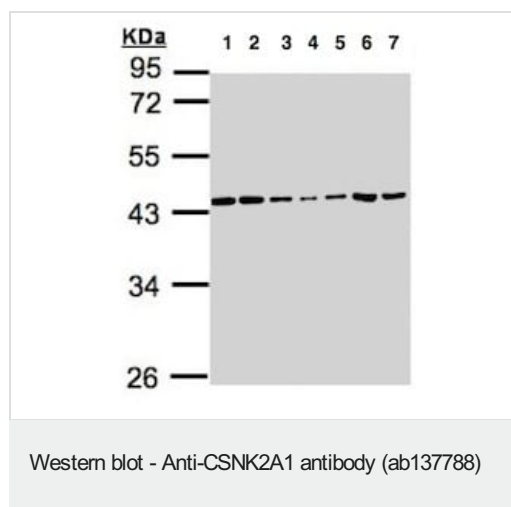
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 45 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/500.

Target

Function	Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. The alpha and alpha' chains contain the catalytic site. Participates in Wnt signaling. CK2 phosphorylates 'Ser-392' of p53/TP53 following UV irradiation.
Sequence similarities	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. CK2 subfamily. Contains 1 protein kinase domain.

Images



All lanes : Anti-CSNK2A1 antibody (ab137788) at 1/1000 dilution

Lane 1 : 293T cell lysate

Lane 2 : A431 cell lysate

Lane 3 : H1299 cell lysate

Lane 4 : HeLa S3 cell lysate

Lane 5 : HepG2 cell lysate

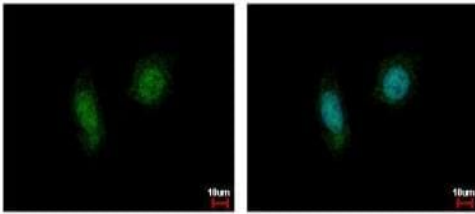
Lane 6 : MOLT4 cell lysate

Lane 7 : Raji cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 45 kDa

10% SDS PAGE



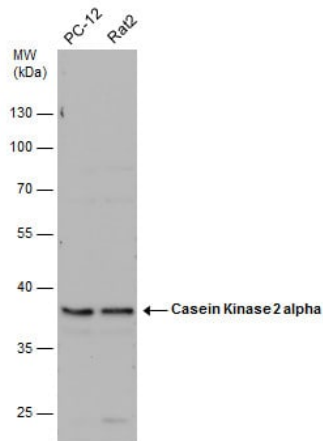
Immunocytochemistry/ Immunofluorescence - Anti-CSNK2A1 antibody (ab137788)

Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min.

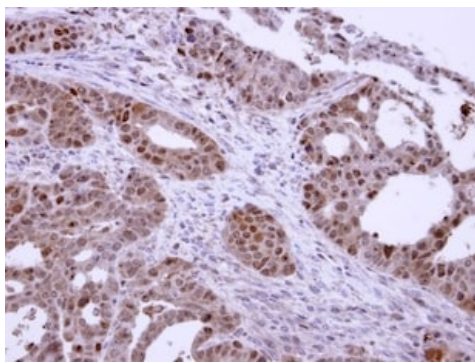
Green: CSNK2A1 protein stained by Casein Kinase 2 alpha antibody (GTX107897) diluted at 1:500.

Blue: Hoechst 33342 staining.

Casein Kinase 2 alpha antibody detects CSNK2A1 protein at cytoplasm and nucleus by immunofluorescent analysis.

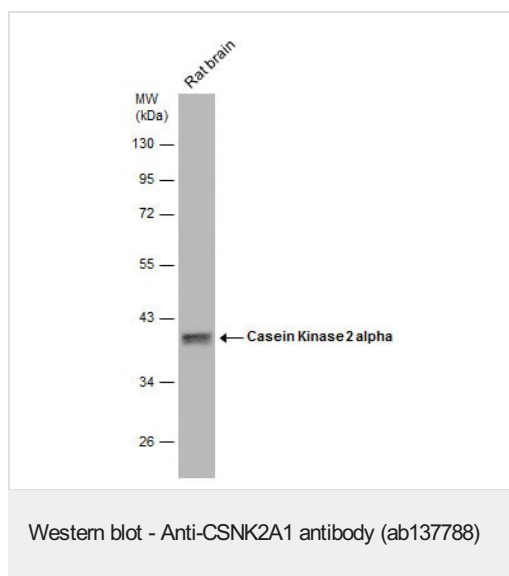
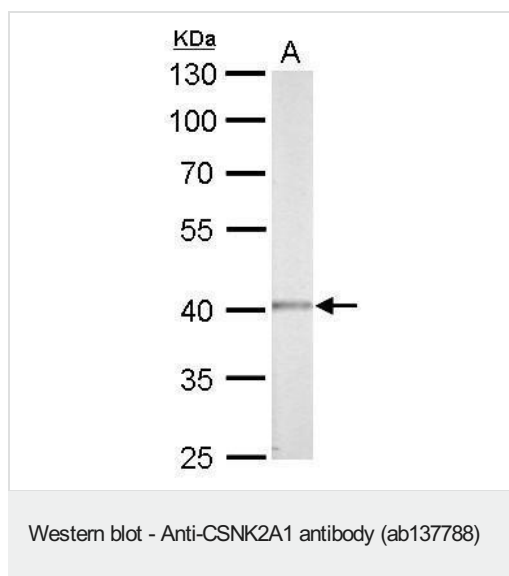


Western blot - Anti-CSNK2A1 antibody (ab137788)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CSNK2A1 antibody (ab137788)

Immunohistochemical analysis of paraffin embedded Cal27 xenograft tissue labelling CSNK2A1 using ab137788 at 1/100 dilution.



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

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