

Rabbit CKII alpha Polyclonal Antibody | anti-CSNK2A1 antibody

CKII alpha Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327225	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CKII alpha; Polyclonal Antibody; CKII alpha Antibody; Casein kinase 2 alpha 1 polypeptide; Casein kinase II alpha 1; Casein kinase II alpha 1 subunit; Casein kinase II alpha subunit; Casein kinase II subunit alpha; CK II alpha; CK II; CK2 alpha; CK2 catalytic subunit alpha; CK2A1; CKII; CKIIalpha; CSK21_HUMAN; CSNK2A1; anti-CSNK2A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	CKII alpha Antibody detects endogenous levels of total CKII alpha.
Purity/Purification	Peptide affinity purification
Form/Format	IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CSNK2A1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CKII alpha, corresponding to a region within N-terminal amino acids.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from various samples, using CKII alpha Antibody. Lane 1: mouse brain treated with blocking peptide. Lane 2: mouse brain; Lane 3: rat liver; Lane 4: 293;



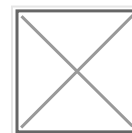
IHC (Immunohistochemistry)

AAA327225 at 1/100 staining Rat stomach tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of CKII alpha using HepG2 whole cell lysates



IF (Immunofluorescence)

AAA327225 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CSNK2A1 antibody	Catalytic subunit of a constitutively active serine/threonine-protein kinase complex that phosphorylates a large number of substrates containing acidic residues C-terminal to the phosphorylated serine or threonine. Regulates numerous cellular processes, such as cell cycle progression, apoptosis and transcription, as well as viral infection. May act as a regulatory node which integrates and coordinates numerous signals leading to an appropriate cellular response. During mitosis, functions as a component of the p53/TP53-dependent spindle assembly checkpoint (SAC) that maintains cyclin-B-CDK1 activity and G2 arrest in response to spindle damage. Also required for p53/TP53-mediated apoptosis, phosphorylating 'Ser-392' of p53/TP53 following UV irradiation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503095
NCBI GeneID	1457
NCBI Accession #	NP_001886.1
NCBI GenBank Nucleotide #	NM_001895.3
UniProt Accession #	P68400; P19138; P20426; Q14013; Q5U065; B4DYS6; D3DVV8
Molecular Weight	45 kDa
NCBI Official Full Name	casein kinase II subunit alpha isoform a
NCBI Official Synonym Full Names	casein kinase 2 alpha 1
NCBI Official Symbol	CSNK2A1
NCBI Official Synonym Symbols	CKII; Cka1; Cka2; CK2A1; OCNDS
NCBI Protein Information	casein kinase II subunit alpha
UniProt Protein Name	Casein kinase II subunit alpha
UniProt Gene Name	CSNK2A1
UniProt Synonym Gene Names	CK2A1; CK II alpha

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ckii-alpha-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/327225>