

Rabbit Casein Kinase II Antibody | anti-CKII antibody

Phospho-Casein Kinase II (Thr360) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328475	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

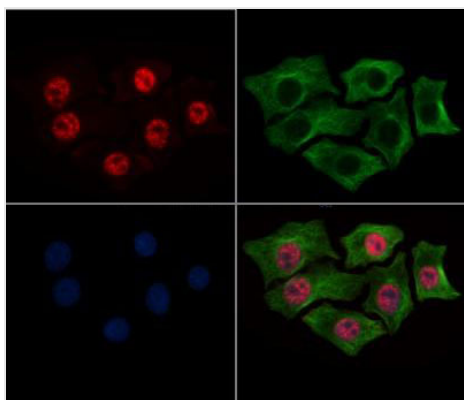
PRODUCT SYNONYMS

Casein Kinase II; Phospho-Casein Kinase II (Thr360) 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; CKIIalpha; CSK21_HUMAN; CSNK2A1; anti-CKII antibody

PRODUCT SPECIFICATIONS

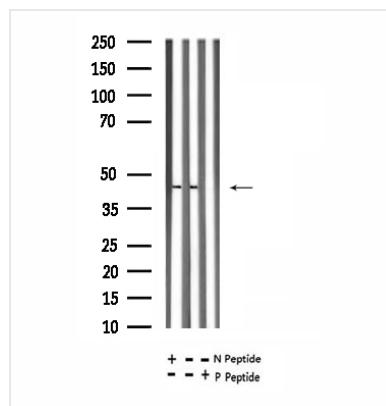
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	Phospho-CKII alpha (Thr360) Antibody detects endogenous levels of CKII alpha only when phosphorylated at Thr360.
Purity/Purification	Peptide affinity purification
Form/Format	IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CKII antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CKII alpha around the phosphorylation site of Thr360.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



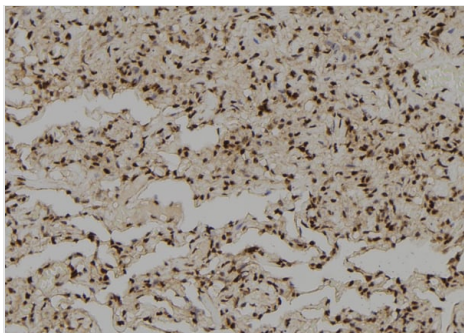
IF (Immunofluorescence)

AAA328475 staining HepG2 cells(4h of LPS treatment) by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA328475 1:200) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L)Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



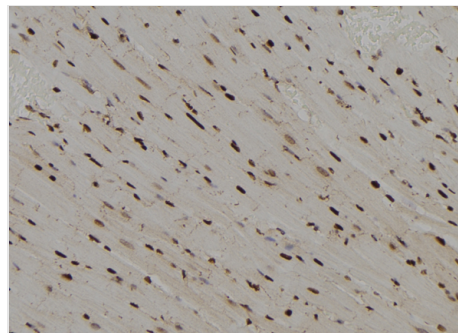
WB (Western Blot)

Western blot analysis of Phospho-Casein Kinase II (Thr360) in lysates of HeLa, using Phospho-Casein Kinase II (Thr360) Antibody.



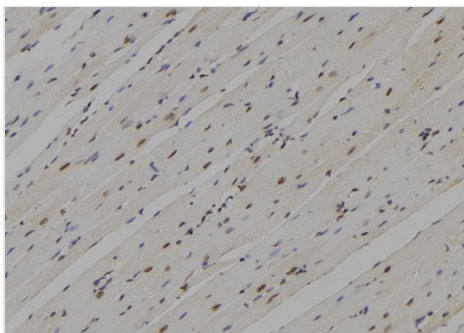
IHC (Immunohistochemistry)

At 1/100 staining human lung cancer tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining rat heart tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining mouse heart tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-CKII 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503095
NCBI GeneID	1457
NCBI Accession #	NP_001886.1
NCBI GenBank Nucleotide #	NP_001886.1
UniProt Accession #	P68400
Molecular Weight	45kDa
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
UniProt Entry Name	CSK21_HUMAN

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/rabbit-ckii-human-mouse-rat-antibody/casein-kinase-ii/328475>