

Rabbit anti-Human CSNK1D Polyclonal Antibody | anti-CSNK1D antibody

CSNK1D Antibody

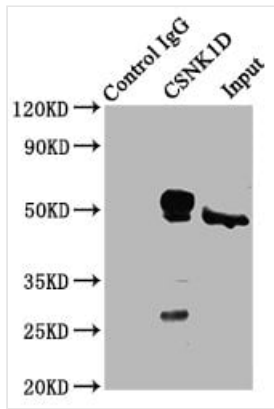
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229693	Rabbit	Human	Immunohistochemistry, ELISA

PRODUCT SYNONYMS

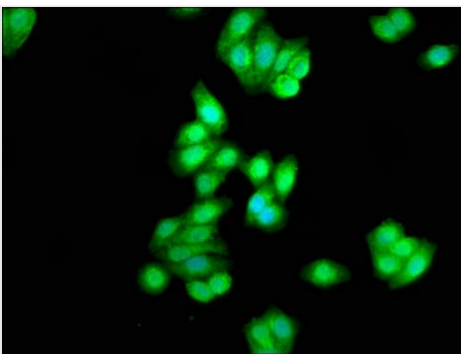
CSNK1D; Polyclonal Antibody; CSNK1D Antibody; Casein kinase I isoform delta (EC:2.7.11.1); CKI-delta; CKId; HCKID; Tau-protein kinase CSNK1D (EC:2.7.11.26); anti-CSNK1D antibody

PRODUCT SPECIFICATIONS

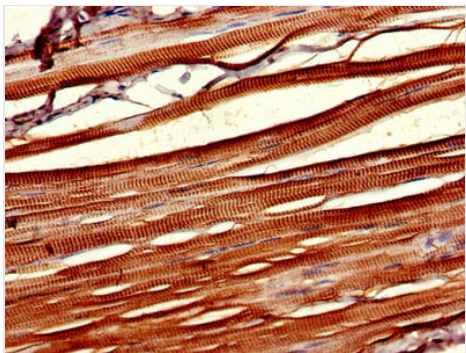
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	Liquid
Sequence Length	415
Applicable Applications for anti-CSNK1D antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant human Casein kinase I isoform delta protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-6474 / sc-6473 / sc-6475 / sc-6472 / sc-20709
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.



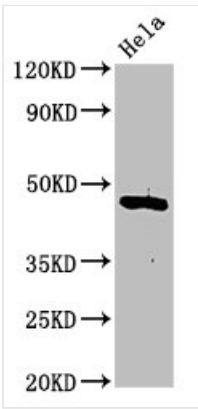
IP (Immunoprecipitation)
Immunoprecipitating CSNK1D in HeLa whole cell lysate. Lane 1: Rabbit control IgG (1ug) instead of AAA229693 in HeLa whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000). Lane 2: AAA229693 (6ug) + HeLa whole cell lysate (500ug). Lane 3: HeLa whole cell lysate (10ug).



IHC (Immunohistochemistry)
Immunofluorescence staining of HepG2 cells with AAA229693 at 1:333, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)
IHC image of AAA229693 diluted at 1:1000 and staining in paraffin-embedded human skeletal muscle tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)
Western Blot. Positive WB detected in: HeLa whole cell lysate. All lanes: CSNK1D antibody at 3.4ug/ml. Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 48,47 KDa. Observed band size: 48 KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CSNK1D antibody

Essential serine/threonine-protein kinase that regulates diverse cellular growth and survival processes including Wnt signaling, DNA repair and circadian rhythms. It can phosphorylate a large number of proteins. Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. Phosphorylates connexin-43/GJA1, MAP1A, SNAPIN, MAPT/TAU, TOP2A, DCK, HIF1A, EIF6, p53/TP53, DVL2, DVL3, ESR1, AIB1/NCOA3, DNMT1, PKD2, YAP1, PER1 and PER2. Central component of the circadian clock. In balance with PP1, determines the circadian period length through the regulation of the speed and rhythmicity of PER1 and PER2 phosphohorylation. Controls PER1 and PER2 nuclear transport and degradation. YAP1 phosphorylation promotes its SCF(beta-TRCP) E3 ubiquitin ligase-mediated ubiquitination and subsequent degradation. DNMT1 phosphorylation reduces its DNA-binding activity. Phosphorylation of ESR1 and AIB1/NCOA3 stimulates their activity and coactivation. Phosphorylation of DVL2 and DVL3 regulates WNT3A signaling pathway that controls neurite outgrowth. EIF6 phosphorylation promotes its nuclear export. Triggers down-regulation of dopamine receptors in the forebrain. Activates DCK in vitro by phosphorylation. TOP2A phosphorylation favors DNA cleavable complex formation. May regulate the formation of the mitotic spindle apparatus in extravillous trophoblast. Modulates connexin-43/GJA1 gap junction assembly by phosphorylation. Probably involved in lymphocyte physiology. Regulates fast synaptic transmission mediated by glutamate.

NCBI AND UNIPROT INFORMATION

NCBI GI #	20149530
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NCBI GeneID	1453
NCBI Accession #	NP_001884.2
NCBI GenBank Nucleotide #	NM_001893.4
UniProt Accession #	P48730; Q96KZ6; Q9BTN5; A2I2P2
Molecular Weight	46,832 Da
NCBI Official Full Name	casein kinase I isoform delta isoform 1
NCBI Official Synonym Full Names	casein kinase 1 delta
NCBI Official Symbol	CSNK1D
NCBI Official Synonym Symbols	ASPS; HCKID; FASPS2; CKIdelta
NCBI Protein Information	casein kinase I isoform delta
UniProt Protein Name	Casein kinase I isoform delta
UniProt Gene Name	CSNK1D
UniProt Synonym Gene Names	HCKID; CKI-delta; CKId
UniProt Entry Name	KC1D_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/polyclonal/csnk1d-antibody-immunohistochemistry-elisa/229693>