

Rabbit anti-Human CSNK1E Polyclonal Antibody | anti-CSNK1E antibody

CSNK1E Antibody (C-term)

CATALOG # AAA287986	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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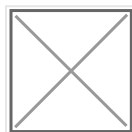
PRODUCT SYNONYMS

CSNK1E; Polyclonal Antibody; CSNK1E Antibody (C-term); Casein kinase I isoform epsilon; CKI-epsilon; CKIε; anti-CSNK1E antibody

PRODUCT SPECIFICATIONS

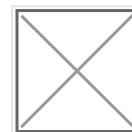
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CSNK1E antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 331-360 amino acids from the C-terminal region of human CSNK1E.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	331-360
Sequence Length	416
Applicable Applications for anti-CSNK1E antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. Can phosphorylate a large number of proteins. Participates in Wnt signaling. Phosphorylates DVL1 and DVL2. 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 phosphorylation. Controls PER1 and PER2 nuclear transport and degradation. Inhibits cytokine-induced granulocyte differentiation.
Cellular Location	Cytoplasm. Nucleus.
Tissue Location	Expressed in all tissues examined, including brain, heart, lung, liver, pancreas, kidney, placenta and skeletal muscle Expressed in monocytes and lymphocytes but not in granulocytes
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-CSNK1E (E346) at 1:1000 dilution + Jurkat whole cell lysate Lysates/proteins at 20ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 47 kDa Blocking/Dilution buffer: 5% NFD/TBST.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

Western blot analysis of anti-CK1e C-term Pab in SKBR3 cell lysate. CK1e (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-CSNK1E antibody	CK1e is a serine/threonine protein kinase and a member of the casein kinase I protein family, whose members have been implicated in the control of cytoplasmic and nuclear processes, including DNA replication and repair. This protein is found in the cytoplasm as a monomer and can phosphorylate a variety of proteins, including itself. It has been shown to phosphorylate period, a circadian rhythm protein.
Product Categories/Family for anti-CSNK1E antibody	Signal Transduction
References	Hino, S., et al., J. Biol. Chem. 278(16):14066-14073 (2003). Eide, E.J., et al., J. Biol. Chem. 277(19):17248-17254 (2002). Keesler, G.A., et al., Neuroreport 11(5):951-955 (2000). Cegielska, A., et al., J. Biol. Chem. 273(3):1357-1364 (1998). Kloss, B., et al., Cell 94(1):97-107 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503093
NCBI GeneID	1454
NCBI Accession #	NP_001885.1 ; NP_689407.1
NCBI GenBank Nucleotide #	NM_001894.4
UniProt Accession #	P49674
NCBI Official Full Name	casein kinase I isoform epsilon
NCBI Official Synonym Full Names	casein kinase 1, epsilon
NCBI Official Symbol	CSNK1E
NCBI Official Synonym Symbols	HCKIE; CKIepsilon
NCBI Protein Information	casein kinase I isoform epsilon
UniProt Protein Name	Casein kinase I isoform epsilon
UniProt Gene Name	CSNK1E
UniProt Synonym Gene Names	CKI-epsilon; CKIe
UniProt Entry Name	KC1E_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/csnk1e-antibody-immunohistochemistry-western-blot-elisa/287986>