

Rabbit anti-Human Casein Kinase 1 gamma 2 Polyclonal Antibody | anti-CSNK1G2 antibody

Anti-Casein Kinase 1 gamma 2 Antibody, Rabbit Polyclonal

CATALOG # AAA255563	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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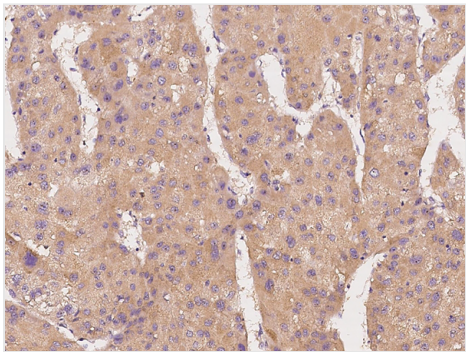
PRODUCT SYNONYMS

Casein Kinase 1 gamma 2; Polyclonal Antibody; Anti-Casein Kinase 1 gamma 2 Antibody; Rabbit Polyclonal; Casein Kinase 1 gamma 2/CSNK1G2 Antibody; Rabbit PAb; Antigen Affinity Purified; casein kinase 1; gamma 2; Anti-CK1g2 Antibody; anti-CSNK1G2 antibody

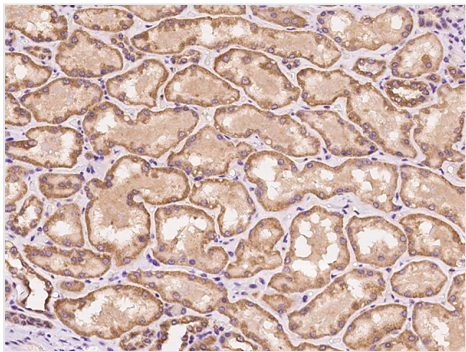
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Casein Kinase 1 gamma 2/CSNK1G2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CSNK1G2 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Casein Kinase 1 gamma 2/CSNK1G2 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human Casein Kinase 1 gamma 2/CSNK1G2 (rh Casein Kinase 1 gamma 2/CSNK1G2). Casein Kinase 1 gamma 2/CSNK1G2 specific IgG was purified by Human Casein Kinase 1 gamma 2/CSNK1G2 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Immunochemical staining of human CSNK1G2 in human hepatoma with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of human CSNK1G2 in human kidney with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-CSNK1G2 antibody	Casein kinase I gamma 2 isoform (CSNK1G2), a member of the large casein kinase I (CKI) subfamily, protein kinase superfamily. It may affect the development of brain, and associate with vesicular trafficking and neurotransmitter releasing from small synaptic vesicles. The CKI family includes several other isoforms (alpha, beta, gamma, and delta). Dishevelled (Dsh), another positive component of the Wnt pathway, becomes phosphorylated in response to Wnt signals. All the CKI isoforms, with the exception of gamma, increase the phosphorylation of Dsh in vivo. Casein kinase 1 gamma (CK1gamma, or CSNK1G) is associated with the cell membrane and binds to LRP. CK1gamma was found to be needed for Wnt signaling through Wnt receptor LRP. CSNK1G2 inhibits Smad3-mediated TGF-beta responses including induction of target genes and cell growth arrest, and this inhibition is dependent on CSNK1G2 kinase activity. The overexpression of CSNK1G2 in human cancers, may act as an oncoprotein during tumorigenesis. In addition, as an MTA1s-binding protein, CSNK1G2 could further potentiate the estrogen receptor (ER) corepressive function of MTA1s.
References	McKay RM, et al. (2001) The casein kinase I family in Wnt signaling. Dev Biol. 235(2): 388-96.Mishra SK, et al. (2004) Metastatic tumor antigen 1 short form (MTA1s) associates with casein kinase I-gamma2, an estrogen-responsive kinase. Oncogene. 23(25): 4422-9.Yinan M, et al. (2004) Polymorphisms of casein kinase I gamma 2 gene associated with simple febrile seizures in Chinese Han population. Neurosci Lett. 368(1): 2-6.Davidson G, et al. (2005). Casein kinase 1 gamma couples Wnt receptor activation to cytoplasmic signal transduction. Nature. 438 (7069): 867-72.Guo X, et al. (2008) Ligand-dependent ubiquitination of Smad3 is regulated by casein kinase 1 gamma 2, an inhibitor of TGF-beta signaling. Oncogene. 27(58): 7235-47.

NCBI AND UNIPROT INFORMATION

NCBI GI #	153791733
NCBI GeneID	1455
NCBI Accession #	NP_001310
NCBI GenBank Nucleotide #	NM_001319
UniProt Accession #	P78368; O00704; Q8WUB1; B5BU42
Molecular Weight	47,457 Da
NCBI Official Full Name	casein kinase I isoform gamma-2
NCBI Official Synonym Full Names	casein kinase 1, gamma 2
NCBI Official Symbol	CSNK1G2
NCBI Official Synonym Symbols	CK1g2
NCBI Protein Information	casein kinase I isoform gamma-2; CKI-gamma 2; casein kinase 1 isoform gamma-2
UniProt Protein Name	Casein kinase I isoform gamma-2

UniProt Gene Name	CSNK1G2
UniProt Synonym Gene Names	CK1G2; CKI-gamma 2
UniProt Entry Name	KC1G2_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://www.aaabiotech.com/polyclonal/casein-kinase-1-gamma-2-antibody-immunohistochemistry-elisa/255563>