

Rabbit anti-Human, Mouse CSNK1G2 Polyclonal Antibody | anti-CSNK1G2 antibody

CSNK1G2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA231063	Rabbit	Human, Mouse	Immunoprecipitation, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

CSNK1G2; Polyclonal Antibody; CSNK1G2 Antibody; Casein kinase I isoform gamma-2; CKI-gamma 2; CK1G2; anti-CSNK1G2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	415
Applicable Applications for anti-CSNK1G2 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Species	Human
Immunogen	Recombinant human Casein kinase I isoform gamma-2 protein (C-100AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-18497 / sc-18496 / sc-292603
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitating CSNK1G2 in HeLa whole cell lysate Lane 1: Rabbit monoclonal IgG(1ug) instead of AAA231063 in HeLa whole cell lysate. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used the Secondary antibody (1/50000) Lane 2: AAA231063(4ug)+ HeLa whole cell lysate(500ug) Lane 3: HeLa whole cell lysate (20ug)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast cancer using AAA231063 at dilution 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human testis tissue using AAA231063 at dilution 1:100



WB (Western Blot)

Western blotAll lanes: CSNK1G2antibody at 4.21ug/mlLane 1 : Mouse gonadal tissueLane 2 : Hela whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 47 kDaObserved band size: 47 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-CSNK1G2 antibody

Serine/threonine-protein kinase. Casein kinases are operationally defined by their preferential utilization of acidic proteins such as caseins as substrates. It can phosphorylate a large number of proteins. Participates in Wnt signaling. Phosphorylates COL4A3BP/CERT, MTA1 and SMAD3. Involved in brain development and vesicular trafficking and neurotransmitter releasing from small synaptic vesicles. Regulates fast synaptic transmission mediated by glutamate. SMAD3 phosphorylation promotes its ligand-dependent ubiquitination and subsequent proteasome degradation, thus inhibiting SMAD3-mediated TGF-beta responses. Hyperphosphorylation of the serine-repeat motif of COL4A3BP/CERT leads to its inactivation by dissociation from the Golgi complex, thus down-regulating ER-to-Golgi transport of ceramide and sphingomyelin synthesis. Triggers PER1 proteasomal degradation probably through phosphorylation.

NCBI AND UNIPROT INFORMATION

NCBI GI #	153791733
NCBI GeneID	1455
NCBI Accession #	NP_001310.3
NCBI GenBank Nucleotide #	NM_001319.6
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
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://stage.aaabiotech.com/polyclonal/csnk1g2-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/231063>