

## ARG58541 anti-CSNK1G2 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes CSNK1G2
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CSNK1G2
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 329-360 of Human CSNK1G2.
Conjugation	Un-conjugated
Alternate Names	CK1g2; CKI-gamma 2; EC 2.7.11.1; Casein kinase I isoform gamma-2

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:10 - 1:50
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse muscle	

### Properties

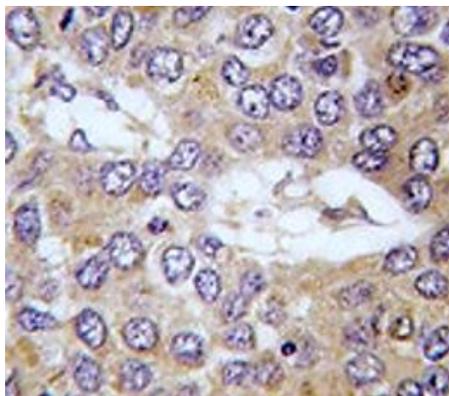
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	CSNK1G2
Gene Full Name	casein kinase 1, gamma 2
Function	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. [UniProt]
Calculated Mw	47 kDa
PTM	Autophosphorylated. [UniProt]

## Images

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ARG58541 anti-CSNK1G2 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human hepatocarcinoma tissue stained with ARG58541 anti-CSNK1G2 antibody.



Mouse muscle

ARG58541 anti-CSNK1G2 antibody WB image

Western blot: Mouse muscle lysate stained with ARG58541 anti-CSNK1G2 antibody.