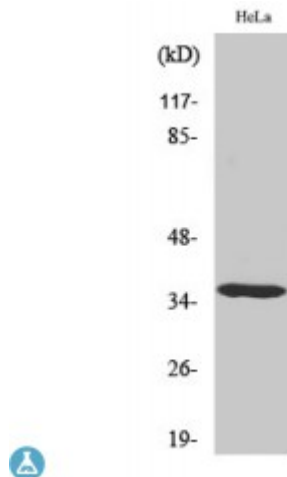


Anti-Casein Kinase alpha antibody



Description	Rabbit polyclonal to Casein Kinase Ialpha.
Model	STJ92010
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human Casein Kinase Ialpha
Immunogen Region	100-180 aa, Internal
Gene ID	1452
Gene Symbol	CSNK1A1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:20000
Specificity	Casein Kinase Ialpha Polyclonal Antibody detects endogenous levels of Casein Kinase Ialpha protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Casein kinase I isoform alpha CKI-alpha CK1
Molecular Weight	35 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:2451 OMIM:600505
Alternative Names	Casein kinase I isoform alpha CKI-alpha CK1
Function	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 CTNNB1 at 'Ser-45'. May phosphorylate PER1 and PER2. May play a role in segregating chromosomes during mitosis . May play a role in keratin cytoskeleton disassembly and thereby, it may regulate epithelial cell migration .
Cellular Localization	Cytoplasm Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Chromosome, centromere, kinetochore Nucleus speckle Cytoplasm, cytoskeleton, cilium basal body. Localizes to the centrosome in interphase cells, and to kinetochore fibers during mitosis. Also recruited to the keratin cytoskeleton .

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