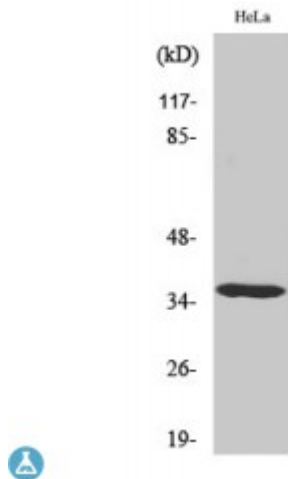


## Anti-Casein Kinase alpha antibody



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

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Isotype</b>               | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Formulation</b>           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Concentration</b>         | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage Instruction</b>   | Store at -20°C, and avoid repeat freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Database Links</b>        | <a href="#">HGNC:2451</a> <a href="#">OMIM:600505</a>                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Alternative Names</b>     | Casein kinase I isoform alpha CKI-alpha CK1                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Function</b>              | 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 . |
| <b>Cellular Localization</b> | 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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