Best Tools for immunology Research

# Casein Kinase Iγ1/2/3 (phospho Tyr263) Polyclonal Antibody

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|---|---|
| **Catalog No :** | YP1040 |
| **Reactivity :** | Human;Mouse;Rat |
| **Applications :** | IHC;IF;ELISA |
| **Target :** | Casein Kinase Iγ1/2/3 |
| **Fields :** | >>Hedgehog signaling pathway |
| **Gene Name :** | CSNK1G1/CSNK1G2/CSNK1G3 |
| **Protein Name :** | Casein kinase I isoform gamma-1/2/3 |
| **Human Gene Id :** | 53944/1455/1456 |
| **Human Swiss Prot No :** | Q9HCP0/P78368/Q9Y6M4 |
| **Mouse Gene Id :** | 214897/103236/70425 |
| **Rat Gene Id :** | 64086/65278/64823 |
| **Rat Swiss Prot No :** | Q62761/Q62762/Q62763 |
| **Immunogen :** | The antiserum was produced against synthesized peptide derived from human CK-1 gamma1/2/3 around the phosphorylation site of Tyr263. AA range:229-278 |
| **Specificity :** | Phospho-Casein Kinase Iγ1/2/3 (Y263) Polyclonal Antibody detects endogenous levels of Casein Kinase Iγ1/2/3 protein only when phosphorylated at Y263. |
| **Formulation :** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source :** | Polyclonal, Rabbit,IgG |
| **Dilution :** | IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200 |
| **Purification :** | The antibody was affinity-purified from rabbit antiserum by affinity- |

chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

**Molecularweight :** 50kD

**Cell Pathway :** Hedgehog;

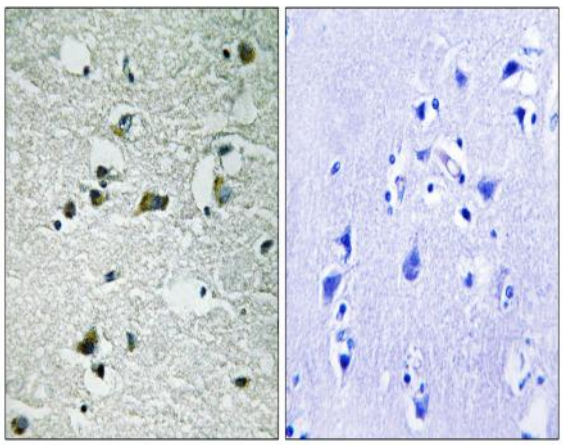
**Background :** This gene encodes a member of the casein kinase I gene family. This family is comprised of serine/threonine kinases that phosphorylate acidic proteins such as caseins. The encoded kinase plays a role in cell cycle checkpoint arrest in response to stalled replication forks by phosphorylating Claspin. A mutation in this gene may be associated with non-syndromic early-onset epilepsy (NSEOE). [provided by RefSeq, Jul 2016],

**Function :** catalytic activity:ATP + a protein = ADP + a phosphoprotein.,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.,PTM:Autophosphorylated.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CK1 Ser/Thr protein kinase family. Casein kinase I subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Monomer.,

**Subcellular Location :** Cytoplasm.

**Expression :** Brain,Muscle,Pooled,

## Products Images



Immunohistochemistry analysis of paraffin-embedded human brain, using CK-1 gamma1/2/3 (Phospho-Tyr263) Antibody. The picture on the right is blocked with the phospho peptide.