

## CK1 alpha polyclonal antibody

Catalog: BS62284

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Casein kinase I (also designated CKI) and casein kinase II (CKII) compose a family of serine/threonine protein kinases which are present in all eukaryotes examined to date. Casein kinase I family members, which include casein kinase I $\alpha$ , I $\gamma$ , I $\delta$  and I $\epsilon$ , have been implicated in the control of cytoplasmic and nuclear processes, including DNA replication and repair, membrane trafficking, circadian rhythm, cell cycle progression, chromosome segregation, apoptosis and cellular differentiation. Casein kinase I isoform  $\alpha$ -like (CSNK1A1L) is a 337 amino acid protein that shares a high degree of sequence similarity with the  $\alpha$  isoform of casein kinase I. CSNK1A1L resides in the cytoplasm and participates in the Wnt signaling pathway. By utilizing ATP within its protein kinase domain, CSNK1A1L phosphorylates a large number of proteins.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 38 kDa

### Swiss-Prot:

Q8N752/P48729

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1:500~1:1000 IHC:1:50~1:200 IF:1:50~1:200

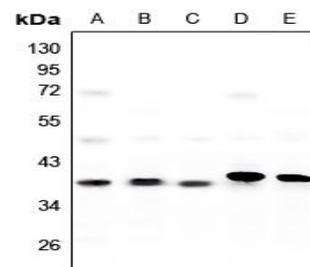
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

CK1 alpha polyclonal antibody detects endogenous levels of CK1 alpha protein.

### DATA:



Western blot (WB) analysis of CK1 alpha polyclonal antibody at 1:500 dilution

LaneA:HEK293T whole cell lysate

LaneB:A375 whole cell lysate

LaneC:SGC7901 whole cell lysate

LaneD:The Testis tissue lysate of Mouse

LaneE:The Testis tissue lysate of Rat

### Note:

For research use only, not for use in diagnostic procedure.

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