

CSNK2A2

Reactivity:Human Mouse Rat

Tested applications:WB IHC IF

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

Calculated MW:41kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human CSNK2A2

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

CK2A2; CSNK2A1; FLJ43934;

Catalog #:A1616

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:1459

Isotype:IgG

Swiss Prot:P19784

Purity:Affinity purification

For research use only.

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 α , I β , I and I ϵ , have been implicated in the control of cytoplasmic and nuclear processes, including DNA replication and repair. CKII is usually expressed as a tetrameric complex consisting of either an $\alpha_2\beta_2$ or an α_4 structure. The catalytic subunit is stimulated by the regulatory subunit, which undergoes autophosphorylation. Casein kinase II activity is high in the cytosol and nucleus of proliferating and differentiating cells. Casein kinase II is known to phosphorylate more than 100 different substrates including nuclear oncoproteins, transcription factors and enzymes involved in DNA metabolism.

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