Casein Kinase Iα (F158) polyclonal antibody

Catalog: BCP00334 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Casein kinase I (also designated CKI) and casein kinase II (also designated CKII) compose a family of serine/threonine protein kinases which are present in all eukaryotes examined to date. CKI family members, which include CKIα, β, γ, e and δ, 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 α2β2 or an αα'β2 structure. The a catalytic subunit is stimulated by the β regulatory subunit, which undergoes autophosphorylation. CKII activity is high in the cytosol and nucleus of proliferating and differentiating cells. CKII is known to phosphorylate more than 100 different substrates including nuclear oncoproteins, transcription factors and enzymes involved in DNA metabolism.

Product:

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

Molecular Weight:

~ 42 kDa

Swiss-Prot:

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

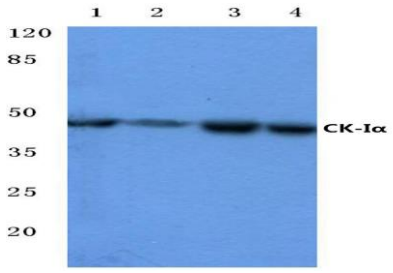
Storage&Stability:

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

Specificity:

Casein Kinase Iα (F158) polyclonal antibody detects endogenous levels of Casein Kinase Iα protein.

DATA:



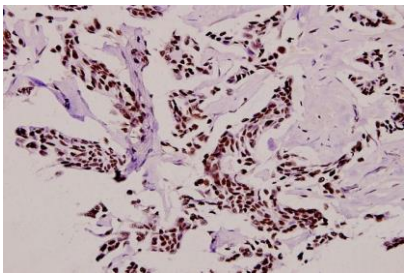
Western blot (WB) analysis of Casein Kinase Iα (F158) pAb at 1:500 dilution

Lane1:H9C2 whole cell lysate(40ug)

Lane2:MEF whole cell lysate(40ug)

Lane3:Hela whole cell lysate(40ug)

Lane4:A549 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of Casein Kinase Iα (F158) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

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