

14-3-3 β (Q69) polyclonal antibody

Catalog: BCP00112

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

14-3-3 proteins regulate many cellular processes relevant to cancer biology, notably apoptosis, mitogenic signaling and cell-cycle checkpoints. Seven isoforms comprise this family of signaling intermediates, denoted 14-3-3 β , γ , ϵ , ζ , η , θ and σ . 14-3-3 proteins form dimers that present two binding sites for ligand proteins, thereby bringing together two proteins that may not otherwise associate. These ligands largely share a 14-3-3 consensus binding motif and exhibit serine/threonine phosphorylation. 14-3-3 proteins function in broad regulation of these ligand proteins, by cytoplasmic sequestration, occupation of interaction domains and import/export sequences, prevention of degradation, activation/repression of enzymatic activity and facilitation of protein modification, and thus loss of expression contributes to a vast array of pathogenic cellular activities.

Product:

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

Molecular Weight:

~ 28 kDa

Swiss-Prot:

P31946

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:

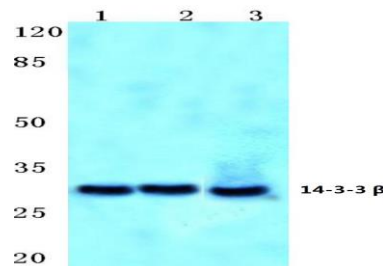
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

14-3-3 β (Q69) polyclonal antibody detects endogenous

levels of 14-3-3 β protein.

DATA:



Western blot (WB) analysis of 14-3-3 β (Q69) polyclonal antibody at 1:500 dilution

Lane1:U-87MG whole cell lysate(40ug)

Lane2:MCF-7 whole cell lysate(40ug)

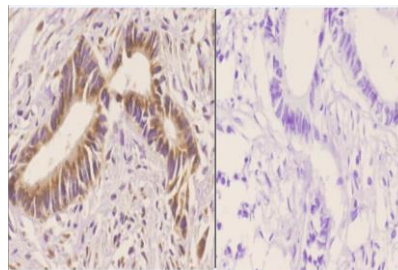
Lane3:K562 whole cell lysate(40ug)

Lane4:HepG2 whole cell lysate(40ug)

Lane5:HEK293T whole cell lysate(40ug)

Lane6:PC12 whole cell lysate(40ug)

Lane7:CT-26 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of 14-3-3 β (Q69) pAb in paraffin-embedded human colorectal carcinoma tissue at 1:50, showing cytoplasmic and nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

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