14-3-3 ζ (phospho-S58) polyclonal antibody

Catalog: BCP00116 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:

P63104

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

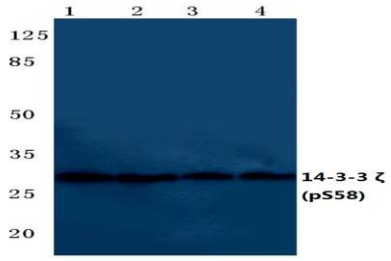
Storage&Stability:

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

Specificity:

p-14-3-3 ζ (S58) polyclonal antibody detects endogenous levels of 14-3-3 protein zeta/delta only when phosphorylated at Ser58.

DATA:



Western blot (WB) analysis of 14-3-3 ζ (phospho-S58) polyclonal antibody at 1:500 dilution

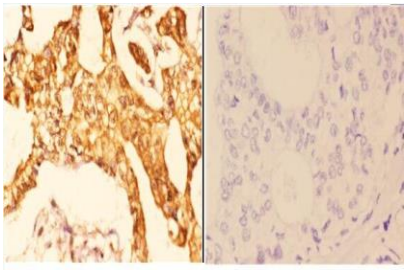
Lane1:The Brain tissue lysate of Mouse(40ug)

Lane2:The Brain tissue lysate of Rat(40ug)

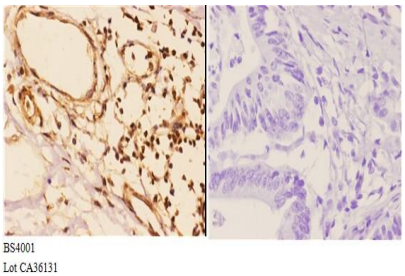
Lane3:HEK293T treated with UV for 5 minutes then repair for 24 hours whole cell lysate(40ug)

Lane4:HEK293T treated with UV for 5 minutes then repair for 16 hours whole cell lysate(40ug)

Lane5:HEK293T whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of 14-3-3 ζ (phospho-S58) pAb in paraffin-embedded human breast carcinoma tissue at 1:50,showing cytoplasmic and nuclear staining.Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



Immunohistochemistry (IHC) analyzes of 14-3-3 ζ (phospho-S58) pAb in paraffin-embedded human colon carcinoma tissue at 1:50,showing cytoplasmic and nuclear staining.Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Complex biotech, co. Ltd.
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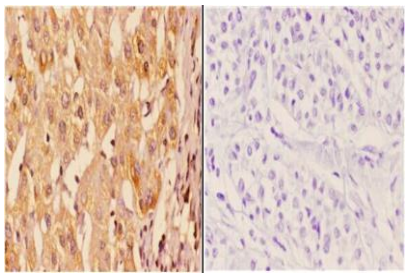

Immunohistochemistry (IHC) analyzes of 14-3-3 ζ (phospho-S58) pAb in paraffin-embedded human liver carcinoma tissue at 1:50,showing cytoplasmic and nuclear staining.Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

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

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