c-Jun (phospho-Y170) polyclonal antibody

Catalog: BCP00504 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

The c-Jun proto-oncogene was first identified as the cellular homolog of the avian sarcoma virus v-Jun oncogene. The c-Jun protein, along with c-Fos, is a component of the AP-1 transcriptional complex. c-Jun can form either Jun/Jun homodimers or Jun/Fos heterodimers via the leucine repeats in both proteins. Homo- and heterodimers bind to the TGACTCA consensus sequence present in numerous promoters and initially identified as the phorbol ester tumor promoter response element (TRE). Two additional genes, Jun B and Jun D, have been shown to be almost identical to c-Jun in their C-terminal regions, which are involved in dimerization and DNA binding, whereas their N-terminal domains, which are involved in transcriptional activation, diverge. All three form heterodimers among themselves and with c-Fos and other members of the Fos gene family.

Product:

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

Molecular Weight:

~ 43, 48 kDa

Swiss-Prot:

P05412

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

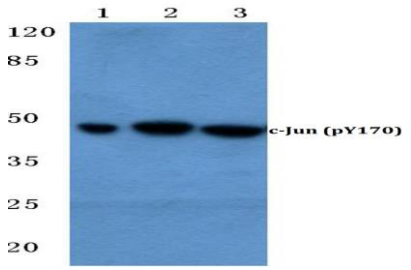
Storage&Stability:

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

Specificity:

p-c-Jun (Y170) polyclonal antibody detects endogenous levels of c-Jun protein only when phosphorylated at Tyr170.

DATA:



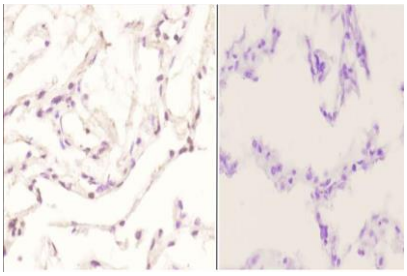
Western blot (WB) analysis of p-c-Jun (Y170) pAb at 1:500 dilution

Lane1:PC3 whole cell lysate(40ug)

Lane2:HEK293T whole cell lysate(40ug)

Lane3:The Kidney tissue lysate of Rat(40ug)

Lane4:The Kidney tissue lysate of Mouse(40ug)



Immunohistochemistry (IHC) analyzes of p-c-Jun (Y170) pAb in paraffin-embedded human lung carcinoma tissue at 1:50.showing 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.

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