

JNK1/2/3 (phospho-T183/Y185) polyclonal antibody

Catalog: BCP00997

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The human JNK1 (PRKM8, SAPK1, MAPK8) gene maps to chromosome 10q11.22 and shares 83% amino acid identity with JNK2. JNK1 is necessary for normal activation and differentiation of CD4 helper T (TH) cells into TH1 and TH2 effector cells. Capsaicin activates JNK1 and p38 in Ras-transformed human breast epithelial cells. Nitrogen oxides (NOx) upregulate JNK1 in addition to c-Fos, c-Jun and other signaling kinases, including MEKK1 and p38. JNK3 (MK10, MAPK10, PRKM10) is activated by pro-inflammatory cytokines and environmental stress by phosphorylating transcription factors such as c-Jun and ATF2. This is important for AP-1 transcriptional activity regulation. JNK3 is crucial for neuronal apoptosis (stress-induced).

Product:

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

Molecular Weight:

~ 46,54 kDa

Swiss-Prot:

P45983/P45984/P53779

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

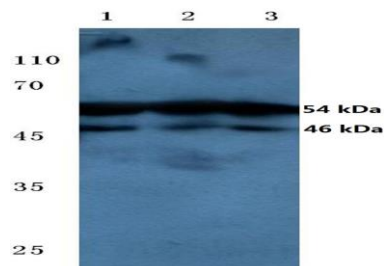
Storage&Stability:

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

Specificity:

p-JNK1/2/3 (T183/Y185) polyclonal antibody detects endogenous levels of JNK1/2/3 protein only when phosphorylated at Thr183 and Tyr185.

DATA:

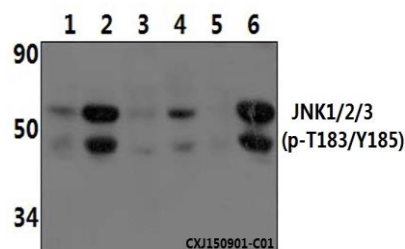


Western blot (WB) analysis of p-JNK1/2/3 (T183/Y185) polyclonal antibody at 1:500 dilution

Lane1:MCF-7 cell lysate treated with UV

Lane2:sp2/0 cell lysate treated with UV

Lane3:PC12 cell lysate treated with UV



Western blot (WB) analysis of JNK1/2/3 (phospho-T183/Y185) pAb at 1:500 dilution

Lane1:HEK293T whole cell lysate(40ug)

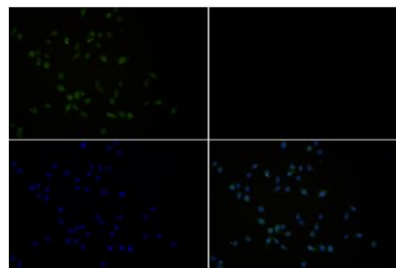
Lane2:HEK293T treated with UV (15min) whole cell lysate(40ug)

Lane3:NIH-3T3 whole cell lysate(40ug)

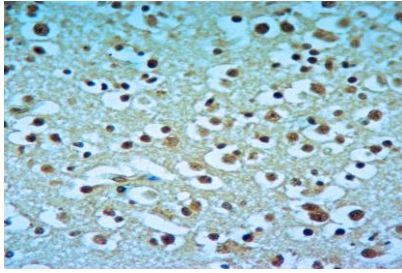
Lane4:NIH-3T3 treated with UV (15min) whole cell lysate(40ug)

Lane5:H9C2 whole cell lysate(40ug)

Lane6:H9C2 treated with UV (4h) whole cell lysate(40ug)



Immunofluorescence analysis of HEK293T cells using p-JNK1/2/3 (T183/Y185) antibody at dilution of 1:50.



Immunohistochemistry of paraffin-embedded Human Brain using p-JNK1/2/3 (T183/Y185) antibody at dilution of 1:50.

Note:

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