

## JNK1/2/3 (T178) polyclonal antibody

Catalog: BS3630

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:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

### 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:

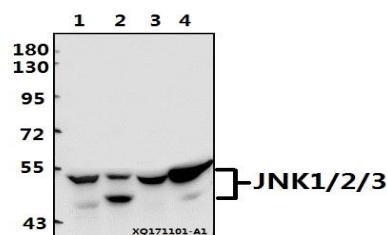
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

### Specificity:

JNK1/2/3 (T178) polyclonal antibody detects endogenous levels of JNK1/2/3 protein.

### DATA:



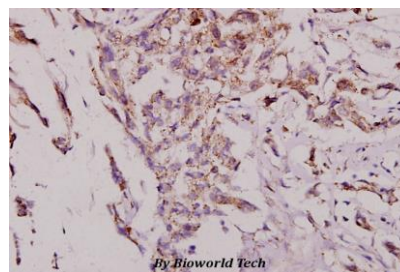
Western blot (WB) analysis of JNK1/2/3 (T178) pAb at 1:500 dilution

Lane1:K562 whole cell lysate(40ug)

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

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

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



Immunohistochemistry (IHC) analyzes of JNK1/2/3 (T178) pAb in paraffin-embedded human breast carcinoma tissue at 1:50.

### Note:

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

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