



## JNK1/2/3 (P184) polyclonal antibody

Catalog: QS04122

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 (NO<sub>x</sub>) 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 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: 1:250~1:500

IHC: 1:25~1:100

IF: 1:25~1:100

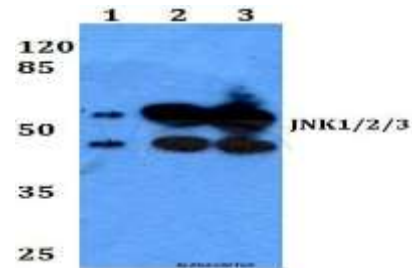
### Storage&Stability:

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

### Specificity:

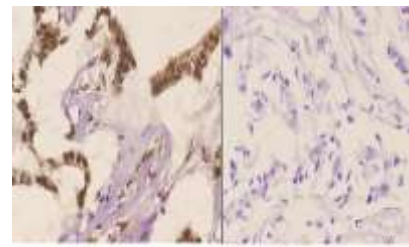
JNK1/2/3 (T178) polyclonal antibody detects endogenous levels of JNK1/2/3 protein.

### DATA:

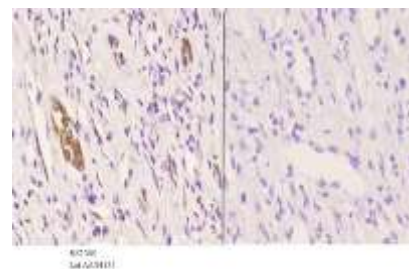


Western blot (WB) analysis of JNK1/2/3 (P184) polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate Lane2:Raw264.7 whole cell lysate Lane3:H9C2 whole cell lysate

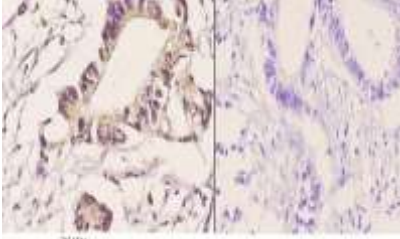


Immunohistochemistry (IHC) analyzes of JNK1/2/3 (P184) pAb in paraffin-embedded human breast carcinoma tissue at 1:50, showing cytoplasmic and nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.





Immunohistochemistry (IHC) analyzes of JNK1/2/3 (P184) pAb in par- affin-embedded human kidney carcinoma tissue at 1:50. showing cyto- plasmic 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.



Immunohistochemistry (IHC) analyzes of JNK1/2/3 (P184) pAb in par- affin-embedded human rectum carcinoma tissue at 1:50. showing cyto- plasmic 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.