

**AP00260PU-N****Polyclonal Antibody to JNK/SAPK pThr183/pTyr185 - Purified****Alternate names:**

JNK-1, JNK-2, JNK-46, JNK-55, JNK1, JNK2, MAPK-8, MAPK-9, MAPK8, MAPK9, Mitogen-activated protein kinase 8/9, PRKM8, PRKM9, SAPK, Stress-activated protein kinase JNK11/JNK2, c-Jun N-terminal kinase 1/2

**Quantity:**

0.1 mg

**Concentration:**

0.5 mg/ml

**Background:**

The JNK pathway is activated by largely distinct stimuli including inflammatory cytokines (such as TNF-alpha and IL-1), UV light, inhibitors of protein synthesis and osmotic stress. Activated MEKK1 phosphorylates SEK1 (also known as MKK4), which in turn activates SAPK (also known as JNK). JNK binds tightly to the N-terminal region of c-Jun and ATF-2, and phosphorylates c-Jun at Ser63 and Ser73 and ATF-2 at Thr69 and Thr71.

**Host:**

Rabbit

**Immunogen:**

Synthetic phospho-peptide corresponding to residues surrounding Thr183/Tyr185 of Human SAPK/JNK

**Format:**

**State:** Liquid purified Ig fraction.

**Purification:** Affinity Chromatography.

**Buffer System:** PBS, pH 7.2, containing 50% Glycerol, 1% BSA and 0.02% Sodium Azide

**Applications:**

Western Blot: 1-2 µg/ml.

Immunoprecipitation: 10-20 µg/ml.

Immunocytochemistry: 10-20 µg/ml.

Immunohistochemistry: 20-30 µg/ml.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Specificity:**

The antibody detects the p46 and p54 JNK/SAPK dually phosphorylated at Thr183 and Tyr185.

**Species:** Human, Mouse and Rat.

Other species not tested.

**Storage:**

Store the antibody undiluted at -20°C or for long term storage (in aliquots) at -70°C.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.