

Product datasheet for **AP01893PU-N**

JNK1/2/3 pThr183/pTyr185 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1/500-1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic phosphopeptide derived from human JNK1 around the phosphorylation site of Threonine 183 and Tyrosine 185.
Specificity:	This antibody detects endogenous levels of of JNK1/2/3 protein when phosphorylated at Thr183 and Tyr185.
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Predicted Protein Size:	~ 46,54 kDa



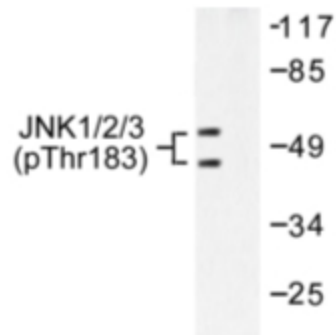
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Background:

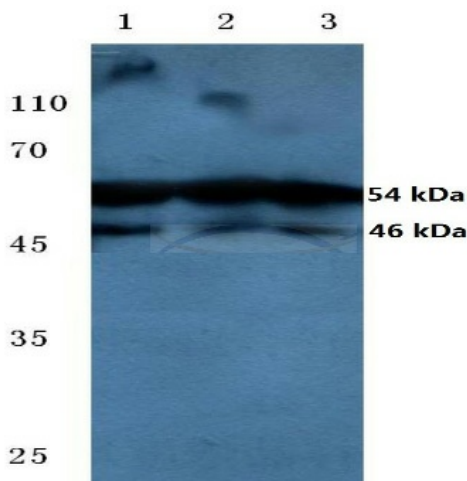
The mitogen-activated protein (MAP) kinases ERK 1 and ERK 2 are proline-directed kinases that are activated through concomitant phosphorylation of tyrosine and threonine residues. The JNK family, which includes JNK1, JNK2 and JNK3, is distantly related to the MAP kinase family, members of which are activated by dual phosphorylation at a Thr-Pro-Tyr motif, specifically at Thr 183 and Tyr 185 residues, in response to ultraviolet (UV) light. This motif is divergent from the Thr-Glu-Tyr motif characteristic of the MAP kinase family. JNK is phosphorylated by JNK-activating kinase (JNKK1 and JNKK2), which are members of the MEK family. Activated JNK mediates the phosphorylation of c-Jun at the amino-terminal serine regulatory sites, Ser 63 and Ser 73, which stimulates the transactivation function of c-Jun.

Synonyms:

JNK1, JNK-46 PRKM8, SAPK, JNK-1, MAPK-8

Product images:


Western blot analysis of JNK1/2/3 (pThr183+Tyr185) antibody (Cat.-No.: AP01893PU-N) in extracts from 293 cells treated with UV, 5mins.



Western blot analysis of JNK1/2/3 (pThr183+Tyr185) antibody (Cat.-No.: AP01893PU-N) at 1/500 dilution: Lane 1: MCF-7 cell lysate treated with UV. Lane 2: sp2/0 cell lysate treated with UV. Lane 3: PC12 cell lysate treated with UV.