

JNK1/JNK2/JNK3(phospho-Thr183/Tyr185) Antibody

Catalog No: #11504



Package Size: #11504-1 50ul #11504-2 100ul

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Description

Product Name	JNK1/JNK2/JNK3(phospho-Thr183/Tyr185) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB;IHC;IF
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of JNK1/JNK2/JNK3 only when phosphorylated at Thr183/Tyr185.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Thr183/Tyr185 (M-M-T(p)-P-Y(p)- V - V) derived from Human JNK1/JNK2/JNK3.
Conjugates	Unconjugated
Target Name	JNK1/JNK2/JNK3
Modification	Phospho
Other Names	Stress-activated protein kinase JNK1; c-Jun N-terminal kinase 1; JNK-46
Accession No.	Swiss-Prot: P45983 P45984 P53779NCBI Protein: NP_002741.1 NP_001128516.1 NP_002744.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

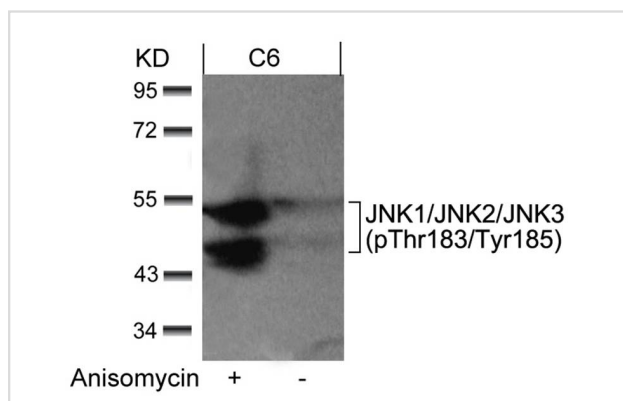
Predicted MW: 46 54 kd

Western blotting: 1:500~1:1000

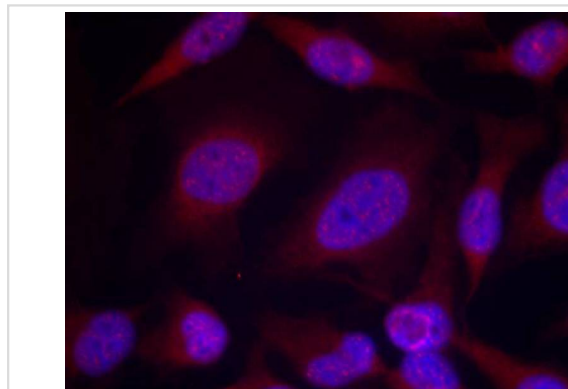
Immunofluorescence: 1:100~1:200

IHC 1:50-300

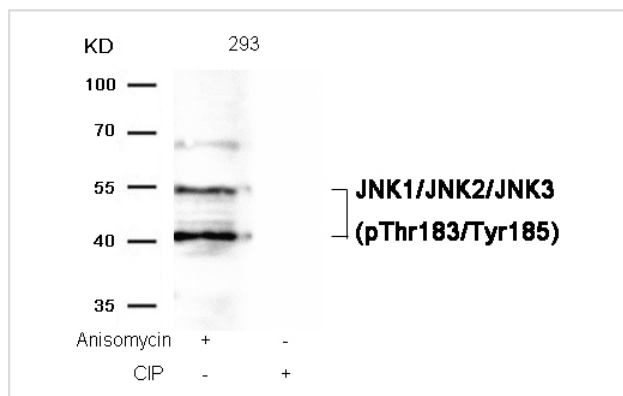
Images



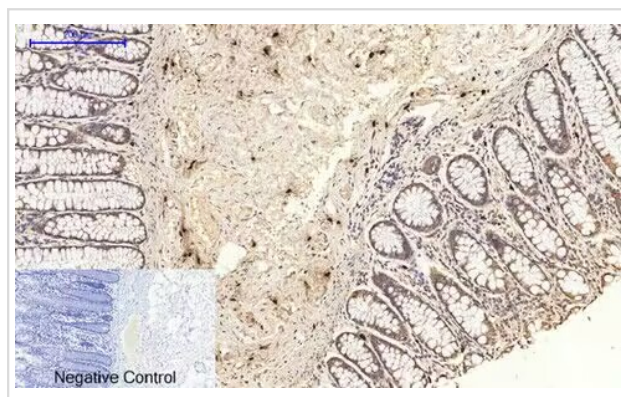
Western blot analysis of extracts from C6 cells untreated or treated with anisomycin using JNK1/JNK2/JNK3(phospho-Thr183/Tyr185) Antibody #11504.



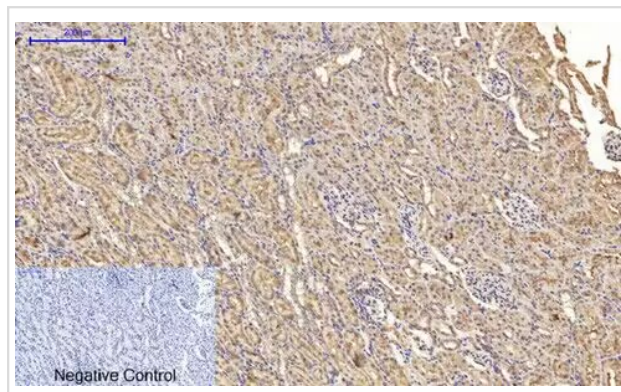
Immunofluorescence staining of methanol-fixed HeLa cells using JNK1/JNK2/JNK3(phospho-Thr183/Tyr185) Antibody #11504.



Western blot analysis of extracts from 293 cells, treated with Anisomycin or calf intestinal phosphatase (CIP), using JNK1/JNK2/JNK3 (phospho-Thr183/Tyr185) Antibody #11504.



Immunohistochemical analysis of paraffin-embedded Human-colon tissue.



Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue.

Background

Responds to activation by environmental stress and pro-inflammatory cytokines by phosphorylating a number of transcription factors, primarily components of AP-1 such as JUN, JDP2 and ATF2 and thus regulates AP-1 transcriptional activity. In T-cells, JNK1 and JNK2 are required for polarized differentiation of T-helper cells into Th1 cells. By similarity, Phosphorylates heat shock factor protein 4 (HSF4). Responds to activation by environmental stress and pro-inflammatory cytokines by phosphorylating a number of transcription factors, primarily components of AP-1 such as c-Jun and ATF2 and thus regulates AP-1 transcriptional activity. In T-cells, JNK1 and JNK2 are required for polarized differentiation of T-helper cells into Th1 cells. JNK2 isoforms display different binding patterns: α -1 and α -2 preferentially bind to c-Jun, whereas β -1 and β -2 bind to ATF2. However, there is no correlation between binding and phosphorylation, which is achieved at about the same efficiency by all isoforms. JUNB is not a substrate for JNK2 α -2, and JUND binds only weakly to it. Responds to activation by environmental stress and pro-inflammatory cytokines by phosphorylating a number of transcription factors, primarily components of AP-1 such as c-Jun and ATF2 and thus regulates AP-1 transcriptional activity. Required for stress-induced neuronal apoptosis and the pathogenesis of glutamate excitotoxicity

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.