



Phospho-MAPK8/MAPK9/MAPK10 (Thr183/Tyr185) Antibody

Product Code	CSB-PA068484
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P45983/P45984/P53779
Immunogen	Peptide sequence around phosphorylation site of Thr183/Tyr185 (M-M-T(p)-P-Y(p)- V - V) derived from Human JNK1/JNK2/JNK3.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of JNK1/JNK2/JNK3 only when phosphorylated at Thr183/Tyr185.
Tested Applications	ELISA,WB,IF;WB:1:500-1:1000,IF:1:100-1:200
Relevance	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 Davis, R.J. (1999) Biochem Soc Symp 64, 1-12. Ichijo, H. (1999) Oncogene 18, 6087-93. Kyriakis, J.M. and Avruch, J. (2001) Physiol Rev 81, 807-69.
Form	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.
Purification Method	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 use

Clonality

Polyclonal

Alias

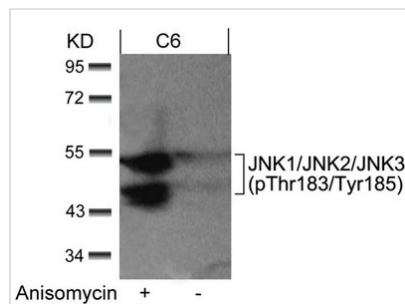
Stress-activated protein kinase JNK1; c-Jun N-terminal kinase 1; JNK-46

Product Type

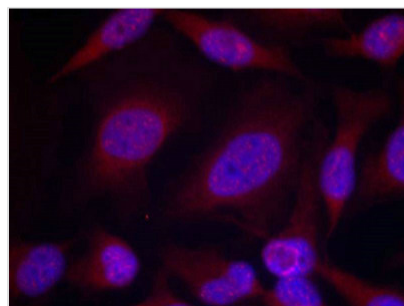
Polyclonal Antibody

Target Names

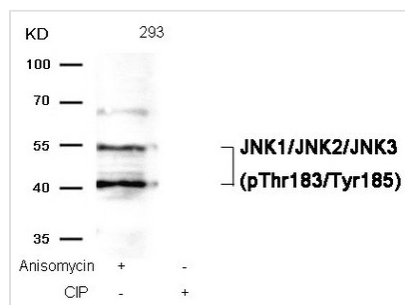
MAPK8/MAPK9/MAPK10

Image


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



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



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

Product Modify

Phospho-Thr183/Tyr185