

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

Catalog No: #11504



Package Size: #11504-1 50ul #11504-2 100ul #11504-4 25ul

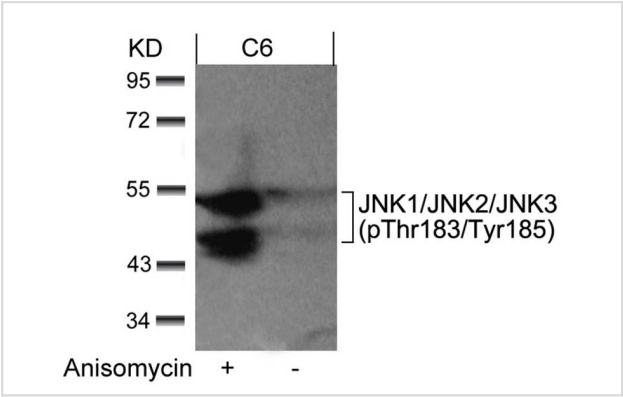
## Overview

|                    |                                                                         |
|--------------------|-------------------------------------------------------------------------|
| Product Name       | JNK1/JNK2/JNK3(phospho-Thr183/Tyr185) Antibody                          |
| Host Species       | Rabbit                                                                  |
| Clonality          | Polyclonal                                                              |
| Applications       | WB IF                                                                   |
| Species Reactivity | Hu Ms Rt                                                                |
| Immunogen Type     | Peptide-KLH                                                             |
| Target Name        | JNK1/JNK2/JNK3                                                          |
| Modification       | Phospho-Thr183/Tyr185                                                   |
| Alternative Names  | Stress-activated protein kinase JNK1; c-Jun N-terminal kinase 1; JNK-46 |

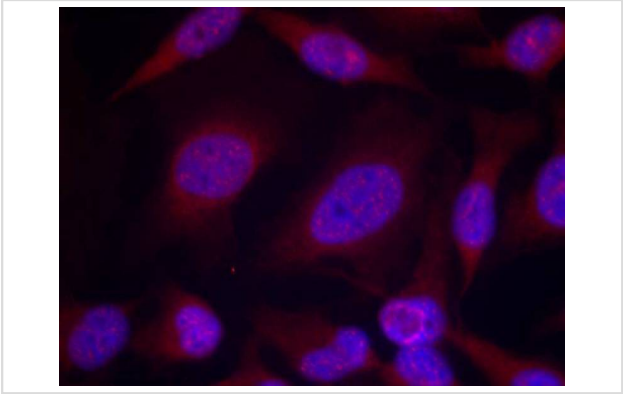
## Application Details

|                                 |
|---------------------------------|
| Predicted MW: 46 54 kd          |
| Western blotting: 1:500~1:1000  |
| Immunofluorescence: 1:100~1:200 |

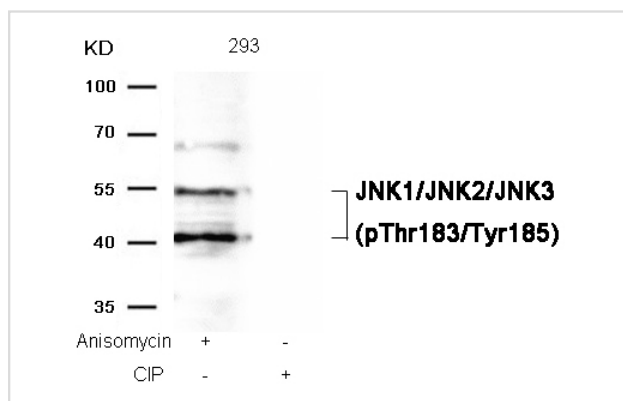
## Images



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.

## Descriptions

|               |                                                                                                                                                                                                                                                                                         |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen     | Peptide sequence around phosphorylation site of Thr183/Tyr185 (M-M-T(p)-P-Y(p)-V - V ) derived from Human JNK1/JNK2/JNK3.                                                                                                                                                               |
| Specificity   | The antibody detects endogenous level of JNK1/JNK2/JNK3 only when phosphorylated at Thr183/Tyr185.                                                                                                                                                                                      |
| Purification  | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates.<br>Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Formulation   | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 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.                                                                                                                                                                                               |
| Accession NO. | Swiss-Prot: P45983 P45984 P53779NCBI Protein: NP_002741.1 NP_001128516.1 NP_002744.1                                                                                                                                                                                                    |

## Related Information

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.

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