



For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

| | | |
|----------------------------|---------------------------------------|--------------|
| Product name | Anti-p-JNK (Thr183/Tyr185) Rabbit pAb | |
| Source | Rabbit | |
| Species reactivity | Human, Mouse, Rat | |
| Tested applications | Western blot | 1:300-1:1000 |

**Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.*

| | |
|-----------------------|---|
| Molecular Wt. | 46, 54 kDa |
| Pack size | 50/100/200/500/1000µl |
| Storage | Store at -20°C. Avoid freeze/thaw cycles. |
| Storage buffer | Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide |

General Information

Background
 c-Jun N-terminal kinases (JNKs) phosphorylate and augment transcriptional activity of c-Jun. JNKs originate from three genes that yield 10 isoforms through alternative mRNA splicing, including JNK1a1, JNK1b1, JNK2a1, JNK2b1, and JNK3a1, which represent the p46 isoforms, and JNK1a2, JNK1b2, JNK2a2, JNK2b2, and JNK3b2, which represent the p54 isoforms. JNKs coordinate cell responses to stress and influence regulation of cell growth and transformation. Members of the MAP kinase family 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.

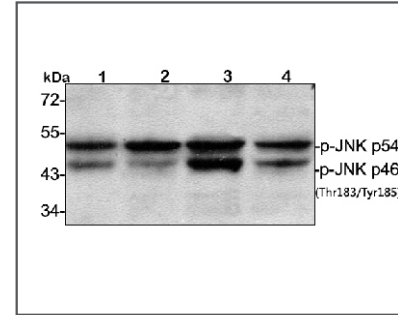
Immunogen
 Polyclonal antibody is produced by immunizing animals with a synthetic peptide of p-JNK (Thr183/Tyr185) .

Purification
 Polyclonal antibody was purified by immunogen affinity chromatography.



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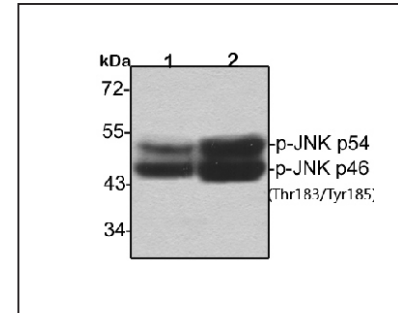
Product Images



Western blot-Anti-p-JNK (Thr183/Tyr185) pAb

Lane 1: Human HepG2 cell LPS-treated lysate 20µg
Lane 2: Human HeLa cell LPS-treated lysate 20µg
Lane 3: Human BGC-823 cell LPS-treated lysate 20µg
Lane 4: Human MGC-803 cell LPS-treated lysate 20µg

Separation gel: 10% polyacrylamide
Electrophoresis: 100V, 4°C, 3h
Transmembrane: 100V, 4°C, 1h
Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking
Primary antibody: 1:1000 in blocking buffer, 4°C, overnight
Visualization: ECL, 30s-2min



Western blot-Anti-p-JNK (Thr183/Tyr185) pAb

Lane 1: Mouse kidney lysate 20µg
Lane 2: Rat colon lysate 20µg

Separation gel: 10% polyacrylamide
Electrophoresis: 100V, 4°C, 3h
Transmembrane: 100V, 4°C, 1h
Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking
Primary antibody: 1:1000 in blocking buffer, 4°C, overnight
Visualization: ECL, 30s-2min