

Phospho-JNK1/JNK2 (Thr183, Tyr185) Monoclonal Antibody (F. 971.6)

Product Details	
Size	100 µL
Species Reactivity	Fruit fly, Human, Mouse, Rat, Yeast
Published Species	Fruit fly, Mouse
Host/Isotype	Rabbit / IgG
Class	Monoclonal
Type	Antibody
Clone	F.971.6
Conjugate	Unconjugated
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding pThr183/Tyr185 of human SAPK /JNK
Form	Liquid
Concentration	293 µg/mL
Purification	Affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 100µg/mL BSA, 0.15M NaCl, 50% glycerol
Contains	<0.02% sodium azide
Storage conditions	-20°C
RRID	AB_10981014

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:1,000	3 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:50	-
Immunoprecipitation (IP)	1:200	-

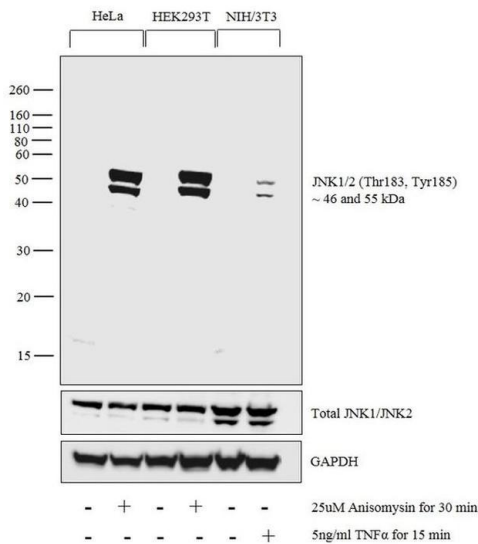
Product Specific Information

It is not recommended to aliquot this antibody.

Product Images For Phospho-JNK1/JNK2 (Thr183, Tyr185) Monoclonal Antibody (F.971.6)

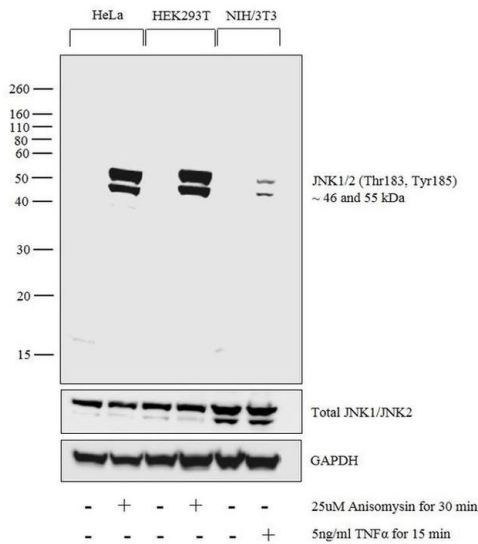
Phospho-JNK1/JNK2 (Thr183, Tyr185) Antibody (MA5-14943)

Altered expression of target protein upon cell treatment demonstrates antibody specificity. Western blot analysis of Phospho-JNK1/JNK2 (Thr183, Tyr185) using Phospho-JNK1/JNK2 (Thr183, Tyr185) Monoclonal Antibody (F.971.6) (Product # MA5-14943) shows increased expression of proteins phosphorylated at the threonine and tyrosine residue in HeLa, HEK293T cell lines upon Anisomycin and NIH/3T3 cell line upon TNF alpha treatment. {TM}



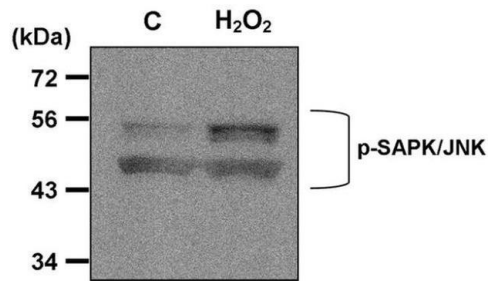
Phospho-JNK1/JNK2 (Thr183, Tyr185) Antibody (MA5-14943) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of HeLa (Lane 1), HeLa treated with Anisomycin (25uM for 30 min) (Lane 2), HEK293T (Lane 3), HEK293T treated with Anisomycin (25uM for 30 min) (Lane 4), NIH/3T3 (Lane 5) and NIH/3T3 treated with TNF alpha (5 ng/mL for 15 min) (Lane 6). The blot was probed with Anti-Phospho-JNK1/JNK2 (Thr183, Tyr185) Monoclonal Antibody (F.971.6) (Product # MA5-14943, 1:500 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). A 46 and 55 kDa band corresponding to Phospho-JNK1/JNK2 (Thr183, Tyr185) was observed upon treatment in all the cell lines.



Phospho-JNK1/JNK2 (Thr183, Tyr185) Antibody (MA5-14943) in WB

Western blot analysis of Phospho-SAPK/JNK (pThr183/Tyr185) was performed by loading 20 µg of THP-1 whole cell lysates, from cells either left untreated (left lane) as a control (C) or treated with 0.3M H2O2 (right lane) for 30 minutes, per well onto an SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% non-fat dry milk in TBST for 1 hour at room temperature. The membrane was probed with a Phospho-SAPK/JNK pThr183/Tyr185 monoclonal antibody (Product # MA5-14943) at a dilution of 1:1000 overnight at 4°C, washed in TBST, and probed with an HRP-conjugated goat anti-rabbit IgG secondary antibody at a dilution of 1:40,000 for 1 hour at room temperature. Detection was performed using ECL substrate. Data courtesy of the Innovators Program.



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Western Blot (3)

<p>Nutrition research and practice</p> <p>Kimchi attenuates fatty streak formation in the aorta of low-density lipoprotein receptor knockout mice via inhibition of endoplasmic reticulum stress and apoptosis.</p> <p>"MA5-14943 was used in Western Blotting to investigate the antioxidative, lipid-lowering and anti-atherogenic effects of Kimchi in low-density lipoprotein receptor knockout mice."</p> <p>Authors: Woo M, Kim M, Noh JS, Park CH, Song YO</p>	<p>Year 2017</p> <p>Species Mouse</p>
<p>Nature microbiology</p> <p>A Mesh-Duox pathway regulates homeostasis in the insect gut.</p> <p>"Published figure using Phospho-JNK1/JNK2 (Thr183, Tyr185) monoclonal antibody (Product # MA5-14943) in Western Blot"</p> <p>Authors: Xiao X, Yang L, Pang X, Zhang R, Zhu Y, Wang P, Gao G, Cheng G</p>	<p>Year 2017</p> <p>Species Fruit fly</p>

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