

## Anti-Phospho-JNK1/2/3 (T183+T183+T221) MAPK8 Monoclonal Antibody

Catalog Number: MP02608

### Overview

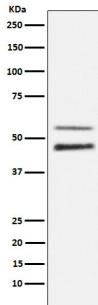
Product Name	Anti-Phospho-JNK1/2/3 (T183+T183+T221) MAPK8 Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-JNK1/2/3 (T183+T183+T221) MAPK8 Monoclonal Antibody catalog # MP02608. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal EAG-13
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P45983/P45984/P53779

### Technical Details

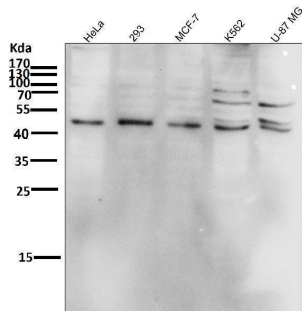
Immunogen	A synthesized peptide derived from human Phospho-JNK1/2/3 (T183+T183+T221) Phospho-JNK1/2/3 (T183+T183+T221)
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000 IHC 1:50-200 ICC/IF 1:50-200 IP 1:50 FC 1:50



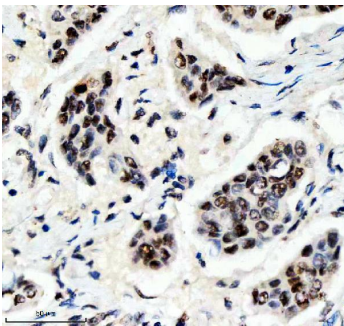
## Anti-Phospho-JNK1/2/3 (T183+T183+T221) MAPK8 Monoclonal Antibody (MP02608) Images



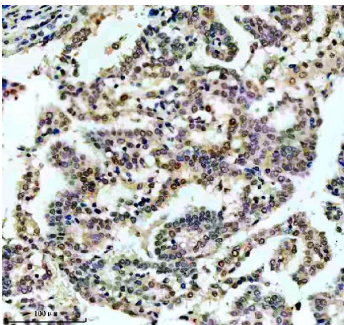
Western blot analysis of JNK1/2/3 phosphorylation expression in NIH/3T3 cell lysate treated with Anisomycin.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.

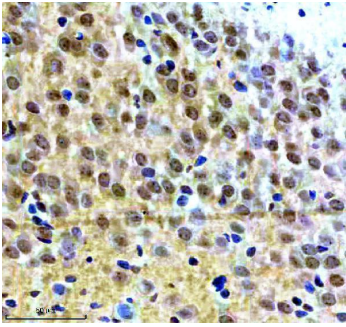


IHC analysis of P-JNK1/2/3 using anti-P-JNK1/2/3 antibody (MP02608). P-JNK1/2/3 was detected in a paraffin-embedded section of human breast cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-P-JNK1/2/3 Antibody (MP02608) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

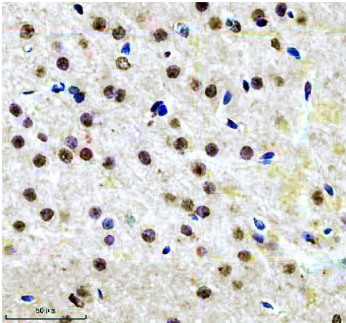


IHC analysis of P-JNK1/2/3 using anti-P-JNK1/2/3 antibody (MP02608). P-JNK1/2/3 was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-P-JNK1/2/3 Antibody (MP02608) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

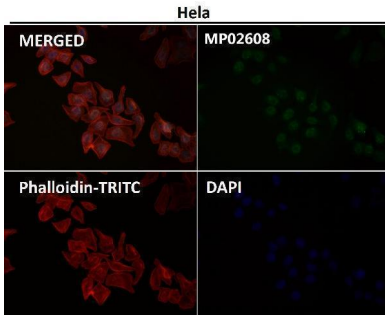
IHC analysis of P-JNK1/2/3 using anti-P-JNK1/2/3 antibody



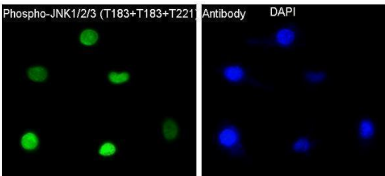
(MP02608). P-JNK1/2/3 was detected in a paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-P-JNK1/2/3 Antibody (MP02608) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



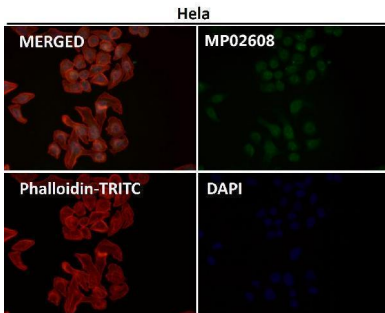
IHC analysis of P-JNK1/2/3 using anti-P-JNK1/2/3 antibody (MP02608). P-JNK1/2/3 was detected in a paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-P-JNK1/2/3 Antibody (MP02608) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



Immunofluorescent analysis using the Antibody at 1:50 dilution.

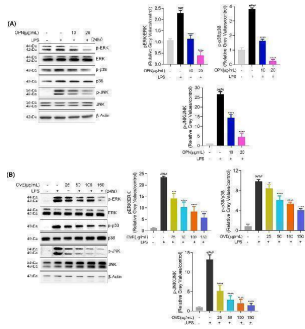


Immunofluorescent analysis of NIH/3T3 cells treated with Anisomycin, using Phospho-JNK1/2/3 (T183+T183+T221) Antibody.



Immunofluorescent analysis using the Antibody at 1:50 dilution.

Effects of OPN and OVE on activation of MAPK signaling pathways in LPS-stimulated RAW264.7 cells. Expression



levels of p-ERK, ERK, p-p38, p-38, p-JNK, and JNK were detected in the same samples for COX-2 detection after 24 h of LPS stimulation. (A) OVE treatment. (B) OPN treatment. All experiments were carried out in triplicates and data are presented as means  $\pm$  SDs; one-way ANOVA analysis was adopted for multiple comparisons; ###P<0.001, ###P<0.0001, compared to the untreated control group; \*\*\*P<0.001 and \*\*\*\*P<0.0001, compared to the LPS control group. Index in PubMed under a CC BY license. PMID: 39455284

## 4 Publications Citing This Product

1. PubMed ID: 21625440, Ding Y, Zou J, Li Z, Tian J, Abdelalim S, Du F, She R, Wang D, Tan C, Wang H, Chen W, Lv D, Chang L. Plos One. 2011;6(5):E20008. Doi: 10.1371/Journal.Pone.0020008. Epub 2011 May 23. Study Of Histopathological And Molecular Changes Of Rat Kidney Un...
2. PubMed ID: 29416654, Cui Y, Wu W, Lv P, Zhang J, Bai B, Cao W. Oncotarget. 2017 Dec 11;9(1):783-790. doi: 10.18632/oncotarget.23153. eCollection 2018 Jan 2. Down-regulation of long non-coding RNA ESCCAL\_1 inhibits tumor growth of esophageal squamous cell carcinoma in ...
3. PubMed ID: 27293989, Recombinant Newcastle disease virus (rL-RVG) triggers autophagy and apoptosis in gastric carcinoma cells by inducing ER stress

Visit [bosterbio.com/anti-phospho-jnk1-2-3-t183-t183-t221-antibody-mp02608-boster.html](http://bosterbio.com/anti-phospho-jnk1-2-3-t183-t183-t221-antibody-mp02608-boster.html) to see all 4 publications.

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