

## Anti-JNK2 MAPK9 Rabbit Monoclonal Antibody

Catalog Number: M02706

### About MAPK9

F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein. Probably involved in vesicular trafficking via its association with the CART complex. The CART complex is necessary for efficient transferrin receptor recycling but not for EGFR degradation.

### Overview

Product Name	Anti-JNK2 MAPK9 Rabbit Monoclonal Antibody
Reactive Species	Human, Monkey, Mouse, Rat
Description	Boster Bio Anti-JNK2 MAPK9 Rabbit Monoclonal Antibody catalog # M02706. Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat, Monkey.
Application	Flow Cytometry, IP, IF, IHC, ICC, WB
Clonality	Monoclonal EIF-13
Formulation	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
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	P45984

### Technical Details

Immunogen	A synthesized peptide derived from human JNK2
Isotype	Rabbit IgG
Form	Liquid
Concentration	Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.
Purification	Affinity-chromatography
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used:

	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:50 FC 1:30
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## Anti-JNK2 MAPK9 Rabbit Monoclonal Antibody (M02706) Images

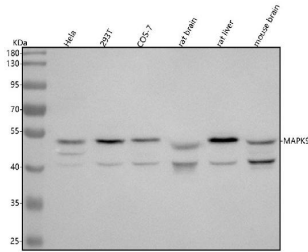


Figure 1. Western blot analysis of MAPK9 using anti-MAPK9 antibody (M02706).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Hela whole cell lysates,

Lane 2: human 293T whole cell lysates,

Lane 3: monkey COS-7 whole cell lysates,

Lane 4: rat brain tissue lysates,

Lane 5: rat liver tissue lysates,

Lane 6: mouse brain tissue lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes.

Blocked the membrane with 5% non-fat milk/TBS for 1.5

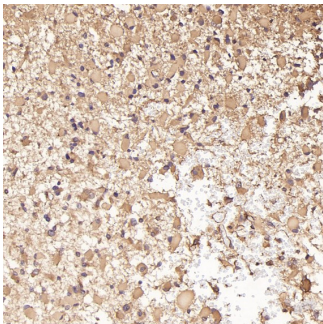
hour at RT. The membrane was incubated with rabbit anti-MAPK9 antigen affinity purified monoclonal antibody

(Catalog # M02706) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and

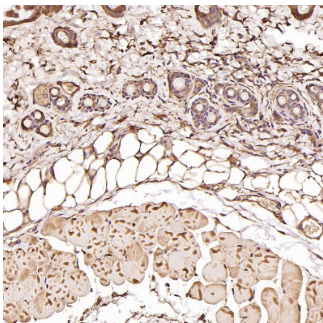
probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is

developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A

specific band was detected for MAPK9 at approximately 48 kDa. The expected band size for MAPK9 is at 48 kDa.

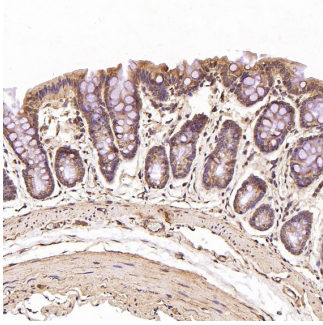


Immunohistochemical analysis of paraffin-embedded Human astrocytoma, using the Antibody at 1:100 dilution.

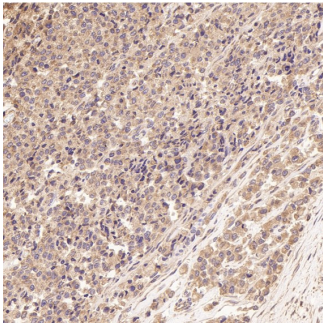


Immunohistochemical analysis of paraffin-embedded Mouse skin, using the Antibody at 1:100 dilution.

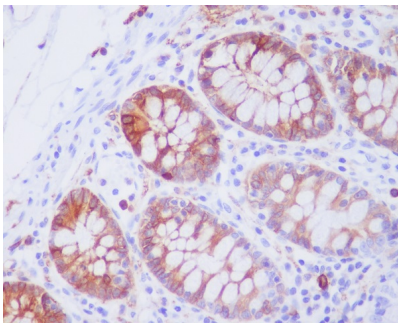
Immunohistochemical analysis of paraffin-embedded Rat intestine, using the Antibody at 1:100 dilution.



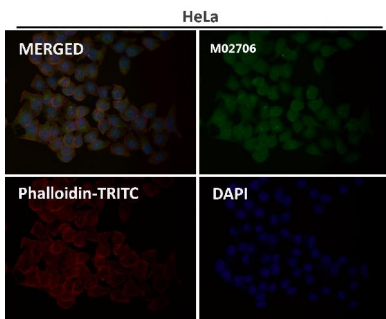
Immunohistochemical analysis of paraffin-embedded Human prostate cancer, using the Antibody at 1:100 dilution.



Immunohistochemical analysis of paraffin-embedded human colon, using JNK2 Antibody.



Immunofluorescent analysis using the Antibody at 1:50 dilution.



## 4 Publications Citing This Product

1. PubMed ID: 31566725, Ji F, Wang Y, Yuan J, Wu Q, Wang J, Liu D. The potential role of stromal cell-derived factor-1alpha/CXCR4/CXCR7 axis in adipose-derived mesenchymal stem cells. *J Cell Physiol*. 2020 Apr;235(4):3548-3557. doi:10.1002/jcp.29243. Epub 2019 Sep 30. PMID:31566725.
2. PubMed ID: 28676833, Li Y, He S, Tang J, Ding N, Chu X, Cheng L, Ding X, Liang T, Feng S, Rahman SU, Wang X, Wu J. Andrographolide Inhibits Inflammatory Cytokines Secretion in LPS-Stimulated RAW264.7 Cells through Suppression of NF-kappaB/MAPK Signaling Pathway
3. PubMed ID: 29393346, Wang P, Mao Z, Pan Q, Lu R, Huang X, Shang X, Zhang R, You H. *Int J Mol Med*. 2018 Apr;41(4):2117-2127. doi: 10.3892/ijmm.2018.3410. Epub 2018 Jan 22. Histone deacetylase-4 and histone deacetylase-8 regulate interleukin-1beta-induced cartilage

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