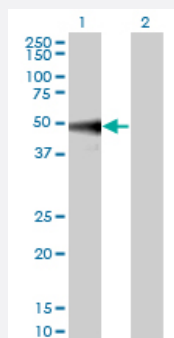


# MAPK9 monoclonal antibody (M01), clone 1C1-3A8

Catalog # H00005601-M01

Size 100 ug

## Applications

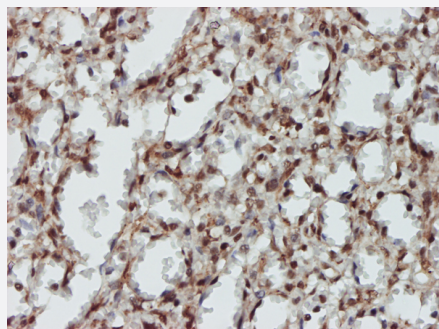


### Western Blot (Transfected lysate)

Western Blot analysis of MAPK9 expression in transfected 293T cell line by MAPK9 monoclonal antibody (M01), clone 1C1-3A8.

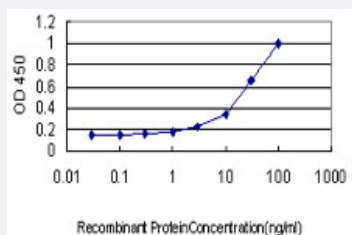
Lane 1: MAPK9 transfected lysate(48.1 KDa).

Lane 2: Non-transfected lysate.



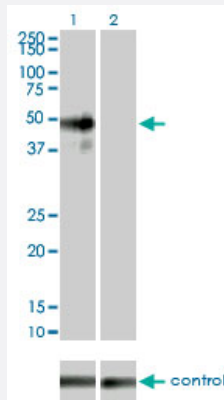
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MAPK9 on formalin-fixed paraffin-embedded human spleen tissue. [antibody concentration 3 ug/ml]



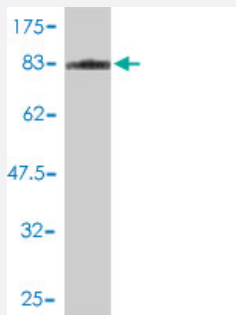
### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MAPK9 is approximately 3ng/ml as a capture antibody.



### RNAi Knockdown (Antibody validated)

Western blot analysis of MAPK9 over-expressed 293 cell line, cotransfected with MAPK9 Validated Chimera RNAi ( Cat # H00005601-R01V ) ( Lane 2 ) or non-transfected control ( Lane 1 ). Blot probed with MAPK9 monoclonal antibody ( M01 ) clone 1C1-3A8 ( Cat # H00005601-M01 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.



Western Blot detection against Immunogen (72.27 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a full length recombinant MAPK9.
<b>Immunogen</b>	MAPK9 (AAH32539, 1 a.a. ~ 424 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	MSDSKCDSQFYYSVQVADSTFTVLKRYQQLKPIGSGAQQGIVCAAFDTVLGINAVKKLSRPFQNQTHAKRAYREL VLLKCVNHKNISLLNVFTPQKTLEEFQDVYLVME LMDANLCQVIHMEL DHERMSYLYQMLCGIKHLHSAGIIHRDLKPSNIVKSDCTLKILDFGLARTACTNFMMPYVVTRYRAPEVILG MGYKENVDIWSVGCIMGELVKGC VIFQGTDHIDQWNKVIEQLGTPSAEFMKKLQPTVRNYVENRP KYPGIKFEELFPDWIFPSESERDKIKTSQARDLLSKMLVIDPDKRISVDEALRHPYITVWYDPAAEAE APPPQIYDAQLEEREHAIEEWKELIYKEVMDWEERSKNGVVKDQPSDAAVSSNATPSQSSSINDI SSMSTEQTLASD TDSSLDASTGPLEGCR
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Isotype</b>	IgG1 kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (72.27 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4

**Storage Instruction**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of MAPK9 expression in transfected 293T cell line by MAPK9 monoclonal antibody (M01), clone 1C1-3A8.

Lane 1: MAPK9 transfected lysate(48.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MAPK9 on formalin-fixed paraffin-embedded human spleen tissue. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MAPK9 is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of MAPK9 over-expressed 293 cell line, cotransfected with MAPK9 Validated Chimera RNAi ( Cat # H00005601-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with MAPK9 monoclonal antibody (M01) clone 1C1-3A8 (Cat # H00005601-M01 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.

[Protocol Download](#)

## Gene Info — MAPK9

**Entrez GeneID**[5601](#)**GeneBank Accession#**[BC032539](#)

Protein Accession#	<a href="#">AAH32539</a>
Gene Name	MAPK9
Gene Alias	JNK-55, JNK2, JNK2A, JNK2ALPHA, JNK2B, JNK2BETA, PRKM9, SAPK, p54a, p54aSAPK
Gene Description	mitogen-activated protein kinase 9
Omim ID	<a href="#">602896</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase targets specific transcription factors, and thus mediates immediate-early gene expression in response to various cell stimuli. It is most closely related to MAPK8, both of which are involved in UV radiation induced apoptosis, thought to be related to the cytochrome c-mediated cell death pathway. This gene and MAPK8 are also known as c-Jun N-terminal kinases. This kinase blocks the ubiquitination of tumor suppressor p53, and thus it increases the stability of p53 in nonstressed cells. Studies of this gene's mouse counterpart suggest a key role in T-cell differentiation. Several alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]</p>
Other Designations	Jun kinase MAP kinase 9 c-Jun N-terminal kinase 2 c-Jun kinase 2 mitogen-activated protein kinase 9 isoform JNK2 alpha2 stress-activated protein kinase JNK2

## Pathway

- [Adipocytokine signaling pathway](#)
- [Colorectal cancer](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [ErbB signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Focal adhesion](#)
- [GnRH signaling pathway](#)
- [Insulin signaling pathway](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Pancreatic cancer](#)

- [Pathways in cancer](#)
- [T cell receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)
- [Type II diabetes mellitus](#)
- [Wnt signaling pathway](#)

## Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Tobacco Use Disorder](#)