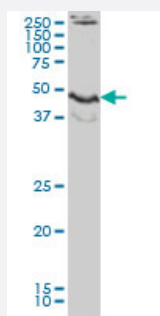


# MAPK9 monoclonal antibody (M02), clone 2F8

Catalog # H00005601-M02

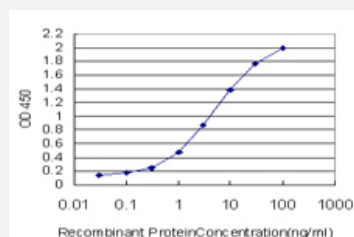
Size 100 ug

## Applications



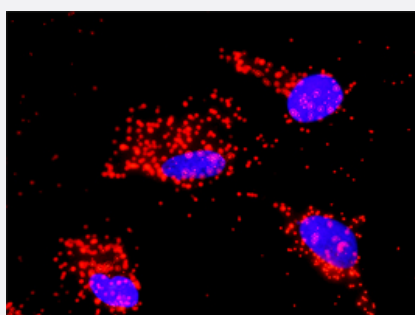
### Western Blot (Cell lysate)

MAPK9 monoclonal antibody (M02), clone 2F8 Western Blot analysis of MAPK9 expression in HeLa ( Cat # L013V1 ).



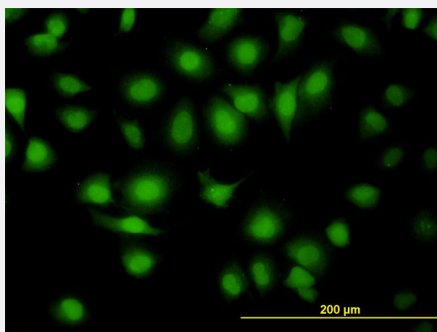
### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MAPK9 is approximately 0.03ng/ml as a capture antibody.



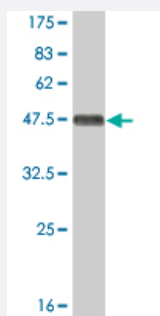
### In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between TRAF2 and MAPK9. HeLa cells were stained with anti-TRAF2 rabbit purified polyclonal 1:1200 and anti-MAPK9 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



## Immunofluorescence

Immunofluorescence of monoclonal antibody to MAPK9 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (37.07 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a partial recombinant MAPK9.
<b>Immunogen</b>	MAPK9 (AAH32539, 321 a.a. ~ 424 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	ITVWYDPAEAEAPPPQYDAQLEEREHAIEEWKELYKEVMDWEERSKNGVVKDQPSDAAVSSN ATPSQSSSINDISSMSTEQTLASD TDSSLDASTGPLEGCR
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Isotype</b>	IgG1 Lambda
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.07 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Cell lysate)

MAPK9 monoclonal antibody (M02), clone 2F8 Western Blot analysis of MAPK9 expression in HeLa ( Cat # L013V1 ).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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- ELISA

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- Immunofluorescence

Immunofluorescence of monoclonal antibody to MAPK9 on HeLa cell. [antibody concentration 10 ug/ml]

## Gene Info — MAPK9

Entrez GeneID [5601](#)

GeneBank Accession# [BC032539](#)

Protein Accession# [AAH32539](#)

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 [602896](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

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]

**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](#)