

# MAPK9 monoclonal antibody (M16), clone 4E13

Catalog # H00005601-M16 Size 100 ug

## Applications



Western Blot detection against Immunogen (37.07 KDa) .

Specification	
Product Description	Mouse monoclonal antibody raised against a partial recombinant MAPK9.
Immunogen	MAPK9 (AAH32539, 321 a.a. ~ 424 a.a) partial recombinant protein with GST tag. MW of the GST t ag alone is 26 KDa.
Sequence	ITVWYDPAEAEAPPPQIYDAQLEEREHAIEEWKELIYKEVMDWEERSKNGVVKDQPSDAAVSSN ATPSQSSSINDISSMSTEQTLASDTDSSLDASTGPLEGCR
Host	Mouse
Reactivity	Human
Isotype	lgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.07 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

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Western Blot (Recombinant protein)
<u>Protocol Download</u>

• ELISA

#### Gene Info — MAPK9

Entrez GenelD	<u>5601</u>
GeneBank Accession#	BC032539
Protein Accession#	<u>AAH32539</u>
Gene Name	МАРК9
Gene Alias	JNK-55, JNK2, JNK2A, JNK2ALPHA, JNK2B, JNK2BETA, PRKM9, SAPK, p54a, p54aSAPK
Gene Description	mitogen-activated protein kinase 9
Omim ID	<u>602896</u>
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 pro cesses such as proliferation, differentiation, transcription regulation and development. This kinase targets specific transcription factors, and thus mediates immediate-early gene expression in resp onse to various cell stimuli. It is most closely related to MAPK8, both of which are involved in UV r adiation induced apoptosis, thought to be related to the cytochrome c-mediated cell death pathwa y. This gene and MAPK8 are also known as c-Jun N-terminal kinases. This kinase blocks the ubiq uitination 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 altern atively spliced transcript variants encoding distinct isoforms have been reported. [provided by Ref Seq
Other Designations	Jun kinase MAP kinase 9 c-Jun N-terminal kinase 2 c-Jun kinase 2 mitogen-activated protein kina se 9 isoform JNK2 alpha2 stress-activated protein kinase JNK2

## Pathway

- Adipocytokine signaling pathway
- Colorectal cancer
- Epithelial cell signaling in Helicobacter pylori infection

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#### **Product Information**

- 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
- <u>T cell receptor signaling pathway</u>
- <u>Toll-like receptor signaling pathway</u>
- Type II diabetes mellitus
- <u>Wnt signaling pathway</u>

#### Disease

- Breast cancer
- Breast Neoplasms
- Genetic Predisposition to Disease
- <u>HIV Infections</u>
- <u>Tobacco Use Disorder</u>