



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## MAPK8 monoclonal antibody (M12), clone 3B12

Catalog # : H00005599-M12

規格 : [ 100 ug ]

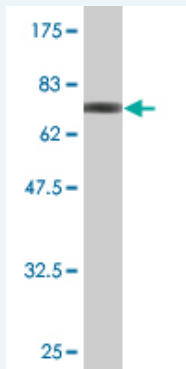
[List All](#)

### Specification

|                             |   |
|-----------------------------|---|
| <b>Product Description:</b> | Mouse monoclonal antibody raised against a full-length recombinant MAPK8.   |
| <b>Immunogen:</b>           | MAPK8 (NP_002741.1, 1 a.a. ~ 384 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.  |
| <b>Sequence:</b>            | MSRSKRDNNFYVSVEIGDSTFTVLKRYQNLKPIGSGAQGIVCAAYDAILER<br>NVAIKKLSRPFQNTTHAKRAYRELVLKMCVNHKNIIGLLNVFTPQKSLEEF<br>QDVYIVMELMDANLCQVIQMELDHERMSYLLYQMLCGIKHLHSAGIIHRDL<br>KPSNIVKSDCTLKILDFGLARTAGTSFMMTPYVVTRYRAPEVILGMGY<br>KENVDLWSVGCIMGEMVCHKILFPGRDYIDQWNKVIEQLGTPCEFMKK<br>LQPTVRTYVENRPKYAGYSFEKLPDVLFPADSEHNKLGASQARDLLSK<br>MLVIDASKRISVDEALQHPYINWYDPSEAEAPPKIPDKQLDEREHTIEE<br>WKELIYKEVMDLEERTKNGVIRGQPSPLAQVQQ |
| <b>Host:</b>                | Mouse   |
| <b>Reactivity:</b>          | Human   |
| <b>Isotype:</b>             | IgG1 Kappa  |

**Quality Control** Antibody Reactive Against Recombinant Protein.

**Testing:**



Western Blot detection against Immunogen (67.87 KDa) .

**Storage Buffer:** In 1x PBS, pH 7.4

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

**MSDS:** [Download](#)

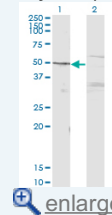
**Datasheet:** [Download](#)

### Applications

Western Blot (Transfected lysate)

### Application Image

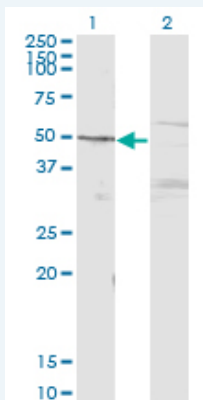
Western Blot (Transfected lysate)



[enlarge](#)


Western Blot (Recombinant protein)

ELISA



Western Blot analysis of MAPK8 expression in transfected 293T cell line by MAPK8 monoclonal antibody (M12), clone 3B12.

Lane 1: MAPK8 transfected lysate(48.3 KDa).  
Lane 2: Non-transfected lysate.

 [Protocol Download](#)

### Western Blot (Recombinant protein)

 [Protocol Download](#)

### ELISA

### Gene Information

**Entrez GeneID:** [5599](#)

**GeneBank Accession#:** [NM\\_002750.1](#)

**Protein Accession#:** [NP\\_002741.1](#)

**Gene Name:** MAPK8

**Gene Alias:** JNK,JNK1,JNK1A2,JNK21B1/2,PRKM8,SAPK1

**Gene Description:** mitogen-activated protein kinase 8

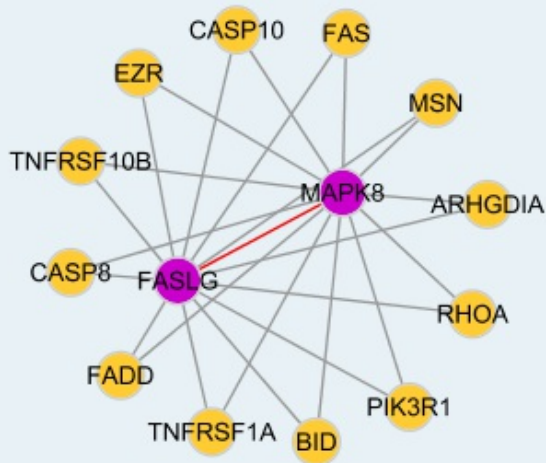
**Omim ID:** [601158](#)

**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 is activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrom c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation. Four alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]

**Other Designations:** JNK1 alpha protein kinase,JNK1 beta protein kinase,JUN N-terminal kinase,OTTHUMP00000019552,OTTHUMP00000019555,OTTHUMP00000019556,OTTHUMP00000019558,c-Jun N-terminal kinase 1,mitogen-activated protein kinase 8 isoform JNK1 alpha1,mitogen-activated protein

## Interactome



## Gene 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](#) [Toll-like receptor signaling pathway](#)  
[Type II diabetes mellitus](#) [Wnt signaling pathway](#)

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