



# 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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## MAP2K2 MaxPab mouse polyclonal antibody (B01) MaxPab®

Catalog # : H00005605-B01

規格 : [ 50 uL ]

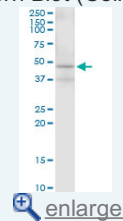
[List All](#)

### Specification

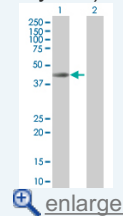
<b>Product Description:</b>	Mouse polyclonal antibody raised against a full-length human MAP2K2 protein.
<b>Immunogen:</b>	MAP2K2 (NP_109587, 1 a.a. ~ 400 a.a) full-length human protein.
<b>Sequence:</b>	MLARRKPVLPALTINPTIAEGPSPTSEGASEANLVDLQKKLEELDEQQ KKRLEAFLTQKAKVGELKDDDFERISELGAGNGGVVTKVQHRPSGLIMA RKLHLLEIKPAIRNQIIRELQVLHECNSPYIVGFYGFYSDGEISICMEHMDG GSLDQVLKEAKRIPEEILGKVSIAVLRGLAYLREKHQIMHRDVKPSNILVNS RGEIKLCDFGVSGQLIDSMANSFVGTRSYMAPERLQGTHTYSVQSDIWSM GLSLVELAVGRYPPIPPDAKELEAIFGRPVDGEEGEPHSISPRPRPPGR PVSQGHGMDSRPAMAIFELLDYVNEPPPKLPNGVFTPDFQEFVNKCLIKNP AERADLKMLTNHTFIKRSEVEEVDFAFWLCKTLRLNQPGTPTRTAV
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Quality Control Testing:</b>	Antibody reactive against mammalian transfected lysate.
<b>Storage Buffer:</b>	No additive
<b>Storage Instruction:</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Note:</b>	For IHC and IF applications, antibody purification with Protein A will be needed prior to use.
<b>MSDS:</b>	 <a href="#">Download</a>
<b>Datasheet:</b>	 <a href="#">Download</a>

### Application Image

Western Blot (Cell lysate)

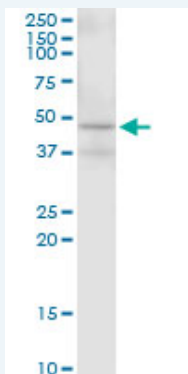


Western Blot (Transfected lysate)




### Applications

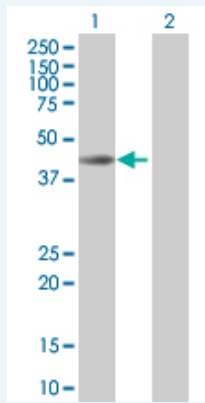
#### Western Blot (Cell lysate)



MAP2K2 MaxPab polyclonal antibody. Western Blot analysis of MAP2K2 expression in Jurkat.

 [Protocol Download](#)

## Western Blot (Transfected lysate)



Western Blot analysis of MAP2K2 expression in transfected 293T cell line ([H00005605-T01](#)) by MAP2K2 MaxPab polyclonal antibody.

Lane 1: MAP2K2 transfected lysate(44 KDa).

Lane 2: Non-transfected lysate.

 [Protocol Download](#)

## Gene Information

Entrez GeneID: [5605](#)

GeneBank [NM\\_030662](#)

Accession#:

Protein [NP\\_109587](#)

Accession#:

Gene Name: MAP2K2

Gene Alias: FLJ26075,MAPKK2,MEK2,MKK2,PRKMK2

Gene mitogen-activated protein kinase kinase 2

Description:

Omim ID: [115150](#), [601263](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is known to play a critical role in mitogen growth factor signal transduction. It phosphorylates and thus activates MAPK1/ERK2 and MAPK2/ERK3. The activation of this kinase itself is dependent on the Ser/Thr phosphorylation by MAP kinase kinase kinases. Mutations in this gene cause cardiofaciocutaneous syndrome (CFC syndrome), a disease characterized by heart defects, mental retardation, and distinctive facial features similar to those found in Noonan syndrome. The inhibition or degradation of this kinase is also found to be involved in the pathogenesis of Yersinia and anthrax. A pseudogene, which is located on chromosome 7, has been identified for this gene. [provided by RefSeq]

**Other Designations:** ERK activator kinase 2,MAP kinase kinase 2,MAPK/ERK kinase 2,dual specificity mitogen-activated protein kinase kinase 2,mitogen-activated protein kinase kinase 2, p45

## Gene Pathway

[Acute myeloid leukemia B cell receptor signaling pathway](#) [Bladder cancer](#)  
[Chronic myeloid leukemia Endometrial cancer ErbB signaling pathway](#)  
[Fc epsilon RI signaling pathway](#) [Gap junction](#) [Glioma GnRH signaling pathway](#)  
[Insulin signaling pathway](#) [Long-term depression](#) [Long-term potentiation](#)  
[MAPK signaling pathway](#) [Melanogenesis](#) [Melanoma](#) [Natural killer cell mediated cytotoxicity](#)

[Neurotrophin signaling pathway](#) [Non-small cell lung cancer](#) [Pathways in cancer](#)  
[Prion diseases](#) [Prostate cancer](#) [Regulation of actin cytoskeleton](#) [Renal cell carcinoma](#)  
[T cell receptor signaling pathway](#) [Thyroid cancer](#) [Toll-like receptor signaling pathway](#)  
[Vascular smooth muscle contraction](#) [VEGF signaling pathway](#)

#### **Related Disease**

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[Abnormalities, Multiple](#) [Ectodermal Dysplasia](#) [Genetic Predisposition to Disease](#) [Glioma](#)  
[Heart Defects, Congenital](#) [LEOPARD Syndrome](#) [Mental Retardation](#) [Noonan Syndrome](#)  
[Skin Abnormalities Syndrome](#)

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