



# 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## MAP2K2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00005605-T01

規格 : [ 100 uL ]

[List All](#)

### Specification

**Transfected Cell Line:** 293T

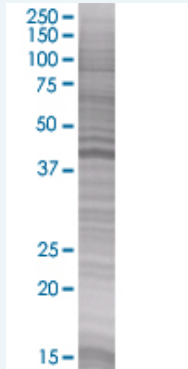
**Plasmid:** pCMV-MAP2K2 full-length

**Host:** Human

**Theoretical MW (kDa):** 44.4

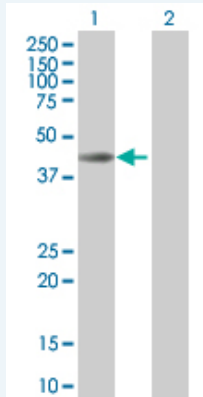
**Quality Control Testing:** Transient overexpression cell lysate was tested with Anti-MAP2K2 antibody ([H00005605-B01](#)) by Western Blots.

#### SDS-PAGE Gel



MAP2K2 transfected lysate

#### Western Blot



Lane 1: MAP2K2 transfected lysate ( 44.4 KDa).

Lane 2: Non-transfected lysate.

**Storage Buffer:** 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

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

### Applications

## Western Blot

### Gene Information

Entrez GeneID: [5605](#)

GeneBank [NM\\_030662](#)  
Accession#:

Protein [NP\\_109587](#)  
Accession#:

Gene Name: MAP2K2

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

Gene Description: mitogen-activated protein kinase kinase 2

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

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