



# 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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## MAP2K7 monoclonal antibody (M04), clone 2G5

Catalog # : H00005609-M04

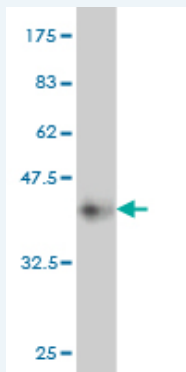
規格 : [ 100 ug ]

[List All](#)

### Specification

<b>Product Description:</b>	Mouse monoclonal antibody raised against a partial recombinant MAP2K7.
<b>Immunogen:</b>	MAP2K7 (NP_660186, 1 a.a. ~ 99 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence:</b>	MAASSLEQKLSRLEAKLKQENREARRRIDLNLDISPQRPRPTLQLPLAND GGSRSPSESSPQHPTPPARPRHMLGLPSTLFTPRSMESIEIDQKLQEI
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Isotype:</b>	IgG1 Kappa

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



Western Blot detection against Immunogen (36.63 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](#)

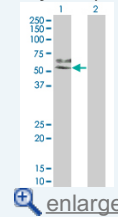
**Datasheet:** [Download](#)

### Applications

Western Blot (Transfected lysate)

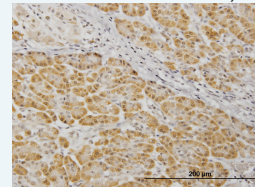
### Application Image

Western Blot (Transfected lysate)



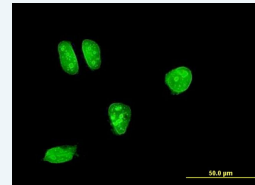
Western Blot (Recombinant protein)

Immunohistochemistry  
(Formalin/PFA-fixed paraffin-embedded sections)



[enlarge](#)

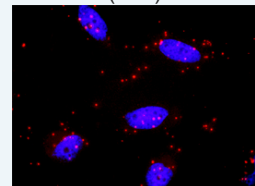
Immunofluorescence



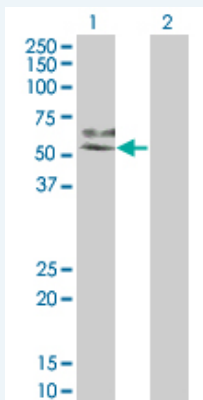
[enlarge](#)

ELISA

*In situ* Proximity Ligation Assay  
(Cell)




[enlarge](#)




Western Blot analysis of MAP2K7 expression in transfected 293T cell line by MAP2K7 monoclonal antibody (M04), clone 2G5.

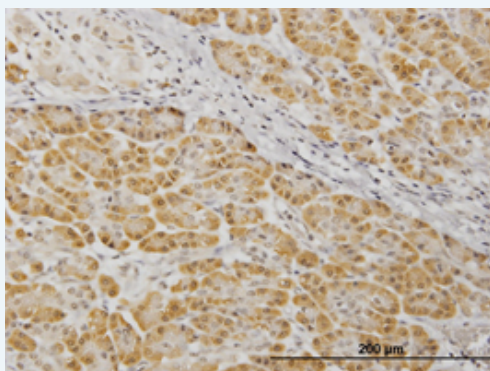
Lane 1: MAP2K7 transfected lysate(47.485 KDa).  
Lane 2: Non-transfected lysate.


 [Protocol Download](#)

### Western Blot (Recombinant protein)

 [Protocol Download](#)

### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

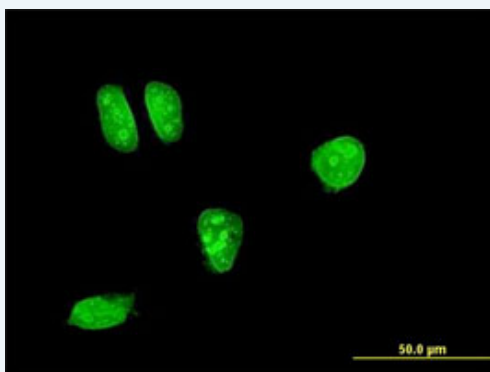



 [enlarge this image](#)

Immunoperoxidase of monoclonal antibody to MAP2K7 on formalin-fixed paraffin-embedded human pancreas. [antibody concentration 1.2 ug/ml]

 [Protocol Download](#)

### Immunofluorescence



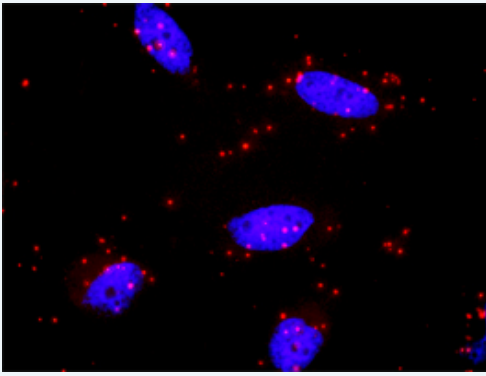
 [enlarge this image](#)

Immunofluorescence of monoclonal antibody to MAP2K7 on HeLa cell . [antibody concentration 10 ug/ml]

 [Protocol Download](#)

### ELISA

### *In situ* Proximity Ligation Assay (Cell)



Proximity Ligation Analysis of protein-protein interactions between MAPK8 and MAP2K7. HeLa cells were stained with anti-MAPK8 rabbit purified polyclonal 1:1200 and anti-MAP2K7 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

## Gene Information

Entrez GeneID: [5609](#)

GeneBank Accession#: [NM\\_145185](#)

Protein Accession#: [NP\\_660186](#)

Gene Name: MAP2K7

Gene Alias: Jnk2,MAPKK7,MKK7,PRKMK7

Gene Description: mitogen-activated protein kinase kinase 7

Omim ID: [603014](#)

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 specifically activates MAPK8/JNK1 and MAPK9/JNK2, and this kinase itself is phosphorylated and activated by MAP kinase kinase kinases including MAP3K1/MEKK1, MAP3K2/MEKK2,MAP3K3/MEKK5, and MAP4K2/GCK. This kinase is involved in the signal transduction mediating the cell responses to proinflammatory cytokines, and environmental stresses. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found, but only one transcript variant has been supported and defined. [provided by RefSeq]

**Other Designations:** JNK kinase 2,JNK-activating kinase 2,MAP kinase kinase 7,OTTHUMP00000174397,c-Jun N-terminal kinase kinase 2,dual specificity mitogen-activated protein kinase kinase 7

## Gene Pathway

[ErbB signaling pathway](#) [Fc epsilon RI signaling pathway](#) [GnRH signaling pathway](#)  
[MAPK signaling pathway](#) [Neurotrophin signaling pathway](#) [T cell receptor signaling pathway](#)  
[Toll-like receptor signaling pathway](#)