



# SZABO SCANDIC

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## 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

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# MAP3K5 purified MaxPab rabbit polyclonal antibody (D01P) MaxPab®

Catalog # : H00004217-D01P

規格 : [ 100 ug ]

[List All](#)

## Specification

**Product Description:** Rabbit polyclonal antibody raised against a full-length human MAP3K5 protein.

**Immunogen:** MAP3K5 (NP\_005914.1, 1 a.a. ~ 1374 a.a) full-length human protein.

**Sequence:**  
 MSTEADEGITFSVPPFAPSGFCTIPEGGICRRGGAAAVGEGEEHQLPPP  
 PPGSFWNVESAAAPGIGCPAATSSSSATRGRGSSVGGGSRRTTVAYVIN  
 EASQGQLVVAESEALQSLREACETVGATLETLHFGLKDFGETTVLDRFY  
 NADIAVWEMSDAFRQPSLFYHLGVRESFSMANNILYCDTNSDSLQSLKEII  
 CQKNTMCTGNYTFVPYMITPHNKVYCCDSSFMKGLTELMQPNFELLGP  
 ICLPLVDRFIQLLKVAQASSSQYFRESILNDIRKARNLYTGKELAAELARIR  
 QRVDNIEVLTADVINLLLSYRDIQDYDSIVKL VETLEKPTFDLASHHHVKF  
 HYAFALNRRNLPGDRAKALDIMPVMQSEGQVADMYCLVGRIYKDMFL  
 DSNFTDTESRDHGASWFKKAFESEPTLQSGINAVLLLAAGHQFESSFE  
 LRKVGVLKSSLLGKKGKLEKLQSYWEVGFGLGASVLANDHMRVIQASEK  
 LFKLKTPAWYLKSVETILYKHFVKLTTEQPVAKQELVDFWMDFLVEATK  
 TDVTVWRFVPLILEPTKIYQPSYLSINNEVEEKTISIWHVL PDDKKGIHEWNF  
 SASSVRGVSISKFEERCFLYVLHNSDDFQIYFCTELHCKKFFEMVNTITE  
 EKGRSTEEGDCESDLLEYDYEDENGDRVVLGKGTYGIVYAGRDL SNQ  
 VRIAIEIPERDSRYSQLPHEEIALHKHLKHNIVQYLGSENGFIKIFMEQ  
 VPGGSL SALLRSKWGPKLDNEQTIGFYTKQILEGLKYLHDNQVHRDIKG  
 DNVLINTYSGVLKISDFGTSKRLAGINPCTETFTGTLQYMAPEIIDKGPRG  
 YGKAADIWLSGCTIEMATGKPPFYELGEPQAAMFKVGMFKVHPEIPESM  
 SAEAKAFILKCFEPDPDKRACANDLLVDEF LKVSSKKKKTQPKLSALSAG  
 SNEYLRISLPPVPLVEDTSSSSEYGSVSPDELKVDPF SFKTRAKSCGE  
 RDVKGIRTLFLGIPDENFEDHSAPPSPEEKDSGFFMLRKDSERRATLHRI  
 LTEDQDKIVRNLMESLAQGAEEPKLKWEHITLIASLREFVRSTDRKIIATT  
 LSKLKLDFDSDHGISQVQVWLF GFQDAVNKVLRNHNKPHWFMALDSIIR  
 KAVQTAITILVPELRPHFSLASESDTADQEDLDVEDDHEEQPSNQTVRRP  
 QAVIEDAVATSGVSTLSSTVSHDSQSAHRSLNQLGRMKIETNRLLEELV  
 RKEKELQALLHRAIEEKDQEIKHLKLSQPIEPEL PVFHLNSSGTNTEDSE  
 LTDWLRVNGAEDTISRFLAEDYTLDDVLYYVTRDDLKCLRLRGGMLCT  
 LWKAIDFRNKQT

**Host:** Rabbit

**Reactivity:** Human

**Quality Control Testing:** Antibody reactive against mammalian transfected lysate.

**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](#)

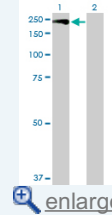
**Datasheet:** [Download](#)

## Applications

**Western Blot (Transfected lysate)**

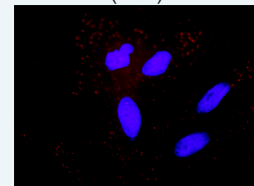
## Application Image

Western Blot (Transfected lysate)

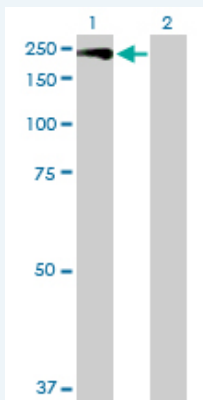


[enlarge](#)

In situ Proximity Ligation Assay (Cell)



[enlarge](#)

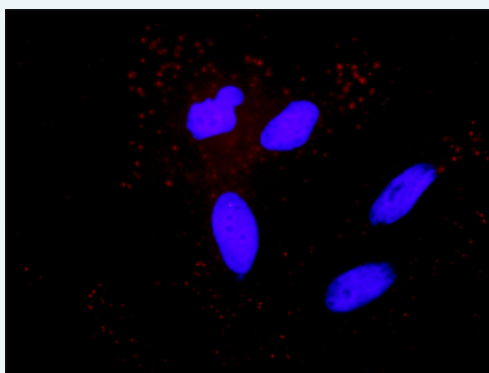


Western Blot analysis of MAP3K5 expression in transfected 293T cell line ([H00004217-T01](#)) by MAP3K5 MaxPab polyclonal antibody.

Lane 1: MAP3K5 transfected lysate(154.50 KDa).  
Lane 2: Non-transfected lysate.

Protocol Download

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



Proximity Ligation Analysis of protein-protein interactions between MAP3K5 and APP. HeLa cells were stained with anti-MAP3K5 rabbit purified polyclonal 1:1200 and anti-APP 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: [4217](#)

GeneBank [NM\\_005923.3](#)  
Accession#:

Protein [NP\\_005914.1](#)  
Accession#:

Gene Name: MAP3K5

Gene Alias: ASK1,MAPKKK5,MEKK5

Gene Description: mitogen-activated protein kinase kinase kinase 5

Omim ID: [602448](#)

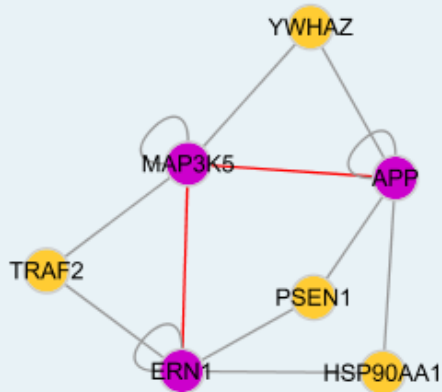
Gene Ontology: [Hyperlink](#)

**Gene Summary:** Mitogen-activated protein kinase (MAPK) signaling cascades include MAPK or extracellular signal-regulated kinase (ERK), MAPK kinase (MKK or MEK), and MAPK kinase kinase (MAPKKK or MEKK). MAPKK kinase/MEKK phosphorylates and activates its downstream protein kinase, MAPK kinase/MEK, which in turn activates MAPK. The kinases of these signaling cascades are highly conserved, and homologs exist in yeast, Drosophila, and mammalian cells. MAPKKK5 contains 1,374

amino acids with all 11 kinase subdomains. Northern blot analysis shows that MAPKKK5 transcript is abundantly expressed in human heart and pancreas. The MAPKKK5 protein phosphorylates and activates MKK4 (aliases SERK1, MAPKK4) in vitro, and activates c-Jun N-terminal kinase (JNK)/stress-activated protein kinase (SAPK) during transient expression in COS and 293 cells; MAPKKK5 does not activate MAPK/ERK. [provided by RefSeq]

**Other** MAP/ERK kinase kinase 5,MAPK/ERK kinase kinase  
**Designations:** 5,OTTHUMP00000017275,apoptosis signal regulating kinase

### Interactome



### Gene Pathway

[Amyotrophic lateral sclerosis \(ALS\) MAPK signaling pathway](#)  
[Neurotrophin signaling pathway](#)

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