



# 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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## DUSP4 purified MaxPab rabbit polyclonal antibody (D01P) MaxPab®

Catalog # : H00001846-D01P

規格 : [ 100 ug ]

[List All](#)

### Specification

**Product Description:** Rabbit polyclonal antibody raised against a full-length human DUSP4 protein.

**Immunogen:** DUSP4 (NP\_001385.1, 1 a.a. ~ 394 a.a) full-length human protein.

**Sequence:**  
 MVTMEELREMDCSVLKRLMNRDENGGGAGGSGSHGTLGLPSGGKCLL  
 LDCRPFLAHSAGYILGSVNVRCNTIVRRRAKGSVSLEQILPAEEVRRARLR  
 SGLYSAVIVYDERSPRAESLREDSTVSLVQALRRNAERTDICLLKGGYE  
 RFSSEYPEFCSTKALAAIPPPVPPSATEPLDLGCSSCGTPLHDQGGPV  
 EILPFLYLGSAYHAARRDMLDALGITALLNVSSDCPNHFEGHYQYKCIPE  
 DNHKADISSWFMEAIEYIDAVKDCRGRVLVHCQAGISRSATICLAYLMMKK  
 RVRLEEAFEFVKQRRSIISPNFSFMGQLLQFESQVLATSCAAEAASPSGP  
 LRERGKTPATPTSQFVFSFPVSVGVHSAPSSLPYLHSPITTPSC

**Host:** Rabbit

**Reactivity:** Human

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

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

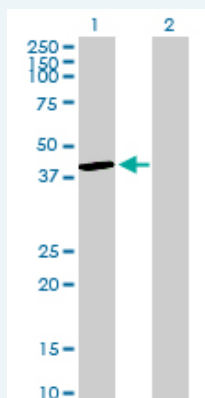
**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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

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

### Applications

#### Western Blot (Transfected lysate)



Western Blot analysis of DUSP4 expression in transfected 293T cell line ([H00001846-T01](#)) by DUSP4 MaxPab polyclonal antibody.

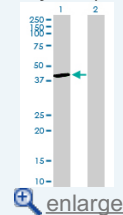
Lane 1: DUSP4 transfected lysate(43.00 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

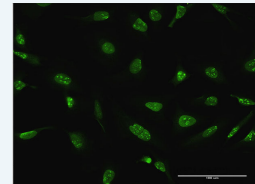
### Application Image

#### Western Blot (Transfected lysate)



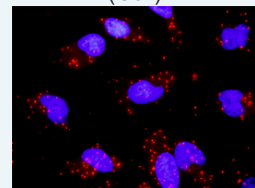
[enlarge](#)

#### Immunofluorescence



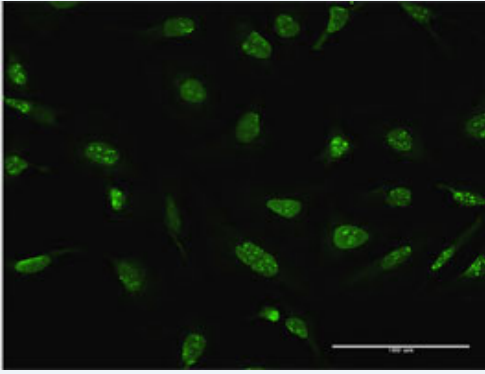
[enlarge](#)

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



[enlarge](#)

## Immunofluorescence

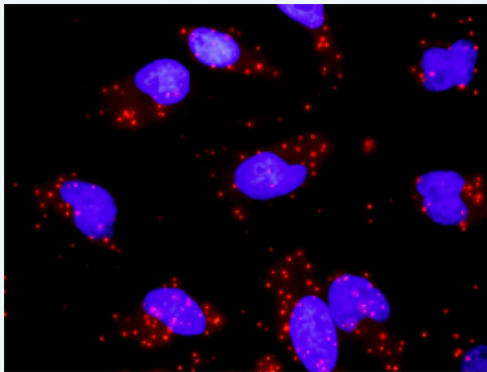


[enlarge this image](#)

Immunofluorescence of purified MaxPab antibody to DUSP4 on HeLa cell. [antibody concentration 10 ug/ml]

 [Protocol Download](#)

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



Proximity Ligation Analysis of protein-protein interactions between DUSP4 and MAPK9. HeLa cells were stained with anti-DUSP4 rabbit purified polyclonal 1:1200 and anti-MAPK9 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: [1846](#)

GeneBank [NM\\_001394](#)  
Accession#:

Protein [NP\\_001385.1](#)  
Accession#:

Gene Name: DUSP4

Gene Alias: HVH2, MKP-2, MKP2, TYP

Gene dual specificity phosphatase 4  
Description:

Omim ID: [602747](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and

different modes of inducibility of their expression by extracellular stimuli. This gene product inactivates ERK1, ERK2 and JNK, is expressed in a variety of tissues, and is localized in the nucleus. Two alternatively spliced transcript variants, encoding distinct isoforms, have been observed for this gene. In addition, multiple polyadenylation sites have been reported. [provided by RefSeq

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**Other** MAP kinase phosphatase 2, VH1 homologous phosphatase  
**Designations:** 2,serine/threonine specific protein phosphatase

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#### Gene Pathway

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[MAPK signaling pathway](#)

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