



# 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) 

## SMAD3 monoclonal antibody (M20), clone 4F9

Catalog # : H00004088-M20

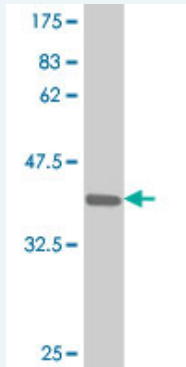
規格 : [ 100 ug ]

[List All](#)

### Specification

<b>Product Description:</b>	Mouse monoclonal antibody raised against a full length recombinant SMAD3.
<b>Immunogen:</b>	SMAD3 (NP_005893, 147 a.a. ~ 270 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence:</b>	PAEFPLDDYSHSIPENTNFPAGIEPQSNIPETPPPGYLSLEDGETSDHQM NHSMDAGSPNLSNPMPSPAHNNLDLQPVTYCEPAFWCSISYYELNQRVG ETFHASQPSMTVDGFTDPSNSERFC
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Isotype:</b>	IgG2b Kappa

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



Western Blot detection against Immunogen (39.27 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](#)

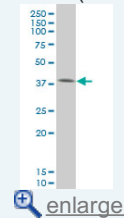
**Datasheet:** [Download](#)

### Applications

Western Blot (Cell lysate)

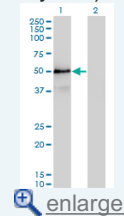
### Application Image

Western Blot (Cell lysate)



[enlarge](#)

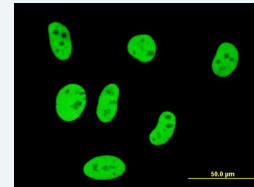
Western Blot (Transfected lysate)



[enlarge](#)

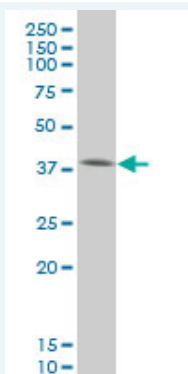
Western Blot (Recombinant protein)

Immunofluorescence



[enlarge](#)

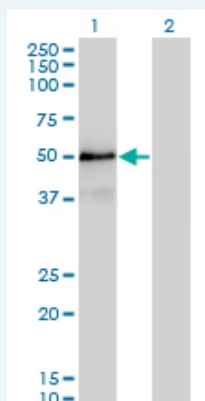
ELISA



SMAD3 monoclonal antibody (M20), clone 4F9 Western Blot analysis of SMAD3 expression in HeLa ( Cat # L013V1 ).

 [Protocol Download](#)

#### Western Blot (Transfected lysate)



Western Blot analysis of SMAD3 expression in transfected 293T cell line by SMAD3 monoclonal antibody (M20), clone 4F9.

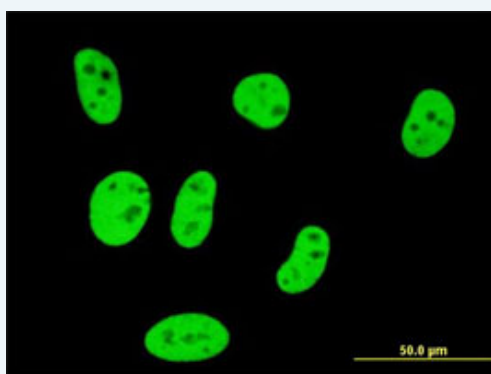
Lane 1: SMAD3 transfected lysate(48 KDa).  
Lane 2: Non-transfected lysate.


 [Protocol Download](#)

#### Western Blot (Recombinant protein)


 [Protocol Download](#)

#### Immunofluorescence



 [enlarge this image](#)

Immunofluorescence of monoclonal antibody to SMAD3 on HeLa cell . [antibody concentration 10 ug/ml]

 [Protocol Download](#)

#### ELISA

#### Gene Information

Entrez GeneID: [4088](#)

GeneBank [NM\\_005902](#)

Accession#:

**Protein** [NP\\_005893](#)

**Accession#:**

**Gene Name:** SMAD3

**Gene Alias:** DKFZp586N0721,DKFZp686J10186,HSPC193,HsT17436,JV15-2,MADH3,MGC60396

**Gene Description:** SMAD family member 3

**Omim ID:** [603109](#)

**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** The protein encoded by this gene belongs to the SMAD, a family of proteins similar to the gene products of the Drosophila gene 'mothers against decapentaplegic' (Mad) and the C. elegans gene Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein functions as a transcriptional modulator activated by transforming growth factor-beta and is thought to play a role in the regulation of carcinogenesis. [provided by RefSeq]

**Other Designations:** MAD, mothers against decapentaplegic homolog 3,SMA- and MAD-related protein 3,SMAD, mothers against DPP homolog 3,mad homolog JV15-2,mad protein homolog,mothers against decapentaplegic homolog 3

#### Gene Pathway

[Adherens junction](#) [Cell cycle](#) [Chronic myeloid leukemia](#) [Colorectal cancer](#)  
[Pancreatic cancer](#) [Pathways in cancer](#) [TGF-beta signaling pathway](#) [Wnt signaling pathway](#)

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