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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SMAD1 monoclonal antibody (M07), clone 3G4

Catalog # : H00004086-M07

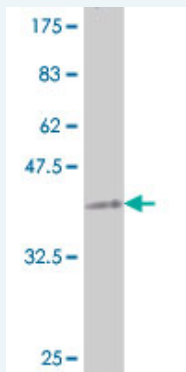
規格 : [100 ug]

List All

Specification

Product Description:	Mouse monoclonal antibody raised against a full length recombinant SMAD1.
Immunogen:	SMAD1 (NP_005891, 176 a.a. ~ 259 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	FQQPNSHPPHSPNSSYPNSPGSSSSTYPHSPTSSDPGSPFQMPADTP PPAYLPPEDPMTQDGSQPMDTNMMAPPLPSEINRGD
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (35.24 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 (Recombinant protein)

[Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [4086](#)

GeneBank [NM_005900](#)

Application Image

Western Blot (Recombinant protein)

ELISA

Accession#:**Protein** [NP_005891](#)**Accession#:****Gene Name:** SMAD1**Gene Alias:** BSP1,JV4-1,JV41,MADH1,MADR1**Gene** SMAD family member 1**Description:****Omim ID:** [601595](#)**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 mediates the signals of the bone morphogenetic proteins (BMPs), which are involved in a range of biological activities including cell growth, apoptosis, morphogenesis, development and immune responses. In response to BMP ligands, this protein can be phosphorylated and activated by the BMP receptor kinase. The phosphorylated form of this protein forms a complex with SMAD4, which is important for its function in the transcription regulation. This protein is a target for SMAD-specific E3 ubiquitin ligases, such as SMURF1 and SMURF2, and undergoes ubiquitination and proteasome-mediated degradation. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq]

Other Designations: MAD, mothers against decapentaplegic homolog 1, Mad-related protein 1, SMAD, mothers against DPP homolog 1, Sma- and Mad-related protein 1, TGF-beta signaling protein 1, mothers against DPP homolog 1, transforming growth factor-beta signaling protein 1

Gene Pathway[TGF-beta signaling pathway](#)**Related Disease**

[Cleft Lip](#) [Cleft Palate](#) [Diabetes Mellitus, Type 1](#) [Diabetic Nephropathies](#) [Genetic Predisposition to Disease](#) [Head and Neck Neoplasms](#) [Hemochromatosis](#) [Hypertension, Pulmonary](#) [Kidney Failure, Chronic](#) [Neoplasm Recurrence, Local](#) [Neoplasms, Second Primary](#) [Obesity](#) [Ovarian Failure, Premature](#) [Polycystic Ovary Syndrome](#) [Puberty, Delayed](#) [Puberty, Precocious](#) [Thrombophilia](#) [Tobacco Use Disorder](#)