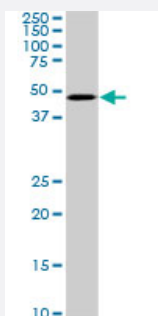


SMAD3 monoclonal antibody (M07), clone 1B7

Catalog # H00004088-M07

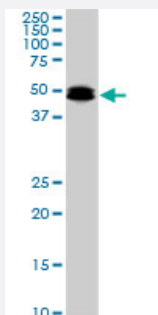
Size 100 ug

Applications



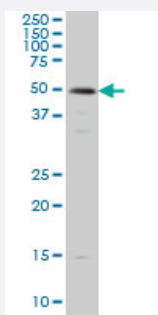
Western Blot (Cell lysate)

SMAD3 monoclonal antibody (M07), clone 1B7. Western Blot analysis of SMAD3 expression in NIH/3T3 (Cat # L018V1).



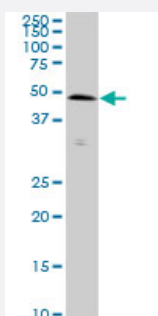
Western Blot (Cell lysate)

SMAD3 monoclonal antibody (M07), clone 1B7. Western Blot analysis of SMAD3 expression in PC-12 (Cat # L012V1).



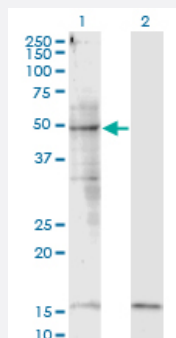
Western Blot (Cell lysate)

SMAD3 monoclonal antibody (M07), clone 1B7 Western Blot analysis of SMAD3 expression in HeLa (Cat # L013V1).



Western Blot (Cell lysate)

SMAD3 monoclonal antibody (M07), clone 1B7. Western Blot analysis of SMAD3 expression in Raw 264.7 (Cat # L024V1).

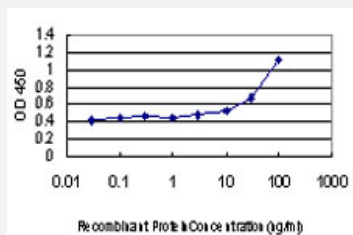


Western Blot (Transfected lysate)

Western Blot analysis of SMAD3 expression in transfected 293T cell line by SMAD3 monoclonal antibody (M07), clone 1B7.

Lane 1: SMAD3 transfected lysate (48 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SMAD3 is approximately 3 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant SMAD3.
Immunogen	SMAD3 (NP_005893, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MSSILPFTPPVVKRLLGWKKGEQNGQEEKWCEKAVKSLVKKLKKTGQLDELEKAITQNVNTKCITI PRSLDGRLQVSHRKGLPHVIYCRLWRWPDLSHSHHELAMELCE
Host	Mouse
Reactivity	Human, Mouse, Rat
Interspecies Antigen Sequence	Mouse (100); Rat (100)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

SMAD3 monoclonal antibody (M07), clone 1B7. Western Blot analysis of SMAD3 expression in NIH/3T3 (Cat # L018V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

SMAD3 monoclonal antibody (M07), clone 1B7. Western Blot analysis of SMAD3 expression in PC-12 (Cat # L012V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

SMAD3 monoclonal antibody (M07), clone 1B7 Western Blot analysis of SMAD3 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

SMAD3 monoclonal antibody (M07), clone 1B7. Western Blot analysis of SMAD3 expression in Raw 264.7 (Cat # L024V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of SMAD3 expression in transfected 293T cell line by SMAD3 monoclonal antibody (M07), clone 1B7.

Lane 1: SMAD3 transfected lysate(48 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SMAD3 is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SMAD3

Entrez GeneID

[4088](#)

GeneBank Accession#	NM_005902
Protein Accession#	NP_005893
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

Pathway

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

Disease

- [Alzheimer disease](#)

- [Anemia](#)
- [Asthma](#)
- [Bacteremia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Head and Neck Neoplasms](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Keloid](#)
- [Kidney Failure](#)
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- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)

- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
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- [Prostatic Neoplasms](#)
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- [Tobacco Use Disorder](#)