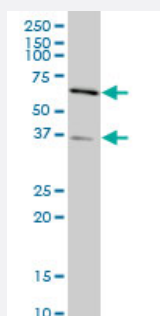


SMAD3 monoclonal antibody (M21), clone 2G4

Catalog # H00004088-M21

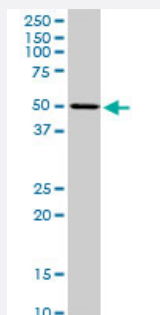
Size 100 ug

Applications



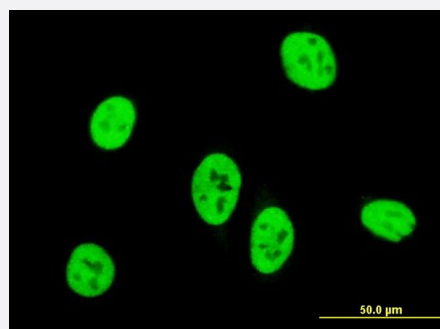
Western Blot (Cell lysate)

SMAD3 monoclonal antibody (M21), clone 2G4 Western Blot analysis of SMAD3 expression in HeLa (Cat # L013V1).



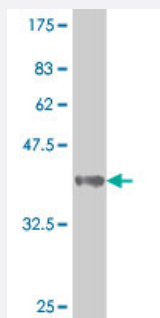
Western Blot (Cell lysate)

SMAD3 monoclonal antibody (M21), clone 2G4. Western Blot analysis of SMAD3 expression in NIH/3T3(Cat # L018V1).



Immunofluorescence

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



Western Blot detection against Immunogen (39.27 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant SMAD3.
Immunogen	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.
Sequence	PAEFPPLLDDYSHSIPENTNFPAGIEPQSNIPETPPPGYLSHGQSDHQMNHSMMDAGSPNLSNP MSPAHHNLDLQPVTYCEPAFWCSISYYELNQRVGETFHASQPSMTVDGFTDPSNSERFC
Host	Mouse
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (100); Rat (100)
Isotype	IgG2a 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.

Applications

- Western Blot (Cell lysate)

SMAD3 monoclonal antibody (M21), clone 2G4 Western Blot analysis of SMAD3 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

SMAD3 monoclonal antibody (M21), clone 2G4. Western Blot analysis of SMAD3 expression in NIH/3T3(Cat # L018V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

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](#)
- [Liver Cirrhosis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)
- [Occupational Diseases](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)