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SMAD5 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant SMAD5.
Catalog # AT3944a

Specification

SMAD5 Antibody (monoclonal) (M01) - Product Information

Application	**IF, WB, E**
Primary Accession	Q99717
Other Accession	BC009682
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**52258**

SMAD5 Antibody (monoclonal) (M01) - Additional Information

Gene ID 4090

Other Names
Mothers against decapentaplegic homolog 5, MAD homolog 5, Mothers against DPP homolog 5, JV5-1, SMAD family member 5, SMAD 5, Smad5, hSmad5, SMAD5, MADH5

Target/Specificity
SMAD5 (AAH09682, 105 a.a. ~ 182 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

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

Precautions
SMAD5 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

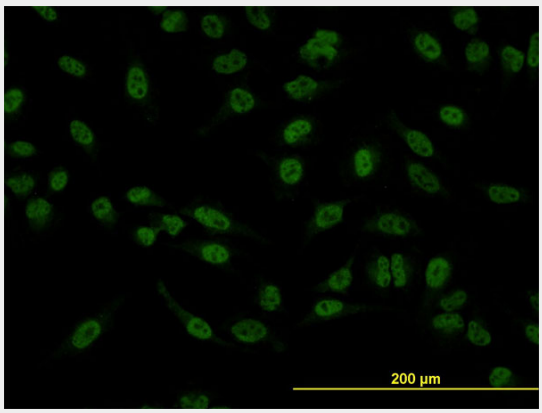
SMAD5 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

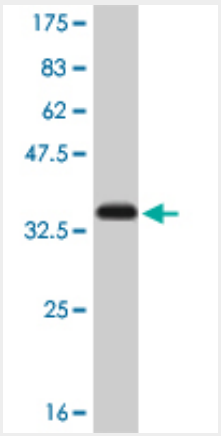
- Western Blot
- Blocking Peptides
- Dot Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

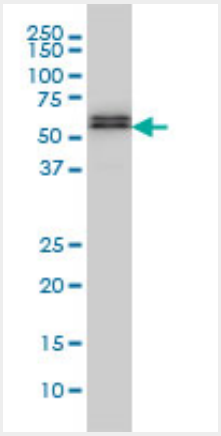
SMAD5 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to SMAD5 on HeLa cell. [antibody concentration 10 ug/ml]

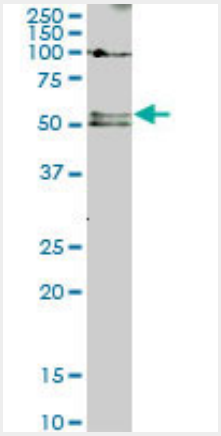


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (34.21 KDa) .

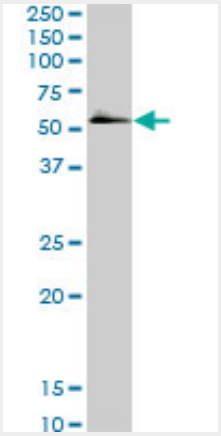


SMAD5 monoclonal antibody (M01), clone 2D7 Western Blot analysis of SMAD5 expression in Hela

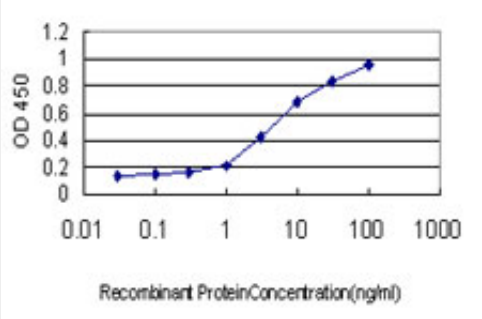
S3 NE ((Cat # AT3944a)



SMAD5 monoclonal antibody (M01), clone 2D7. Western Blot analysis of SMAD5 expression in Jurkat ((Cat # AT3944a)



SMAD5 monoclonal antibody (M01), clone 2D7. Western Blot analysis of SMAD5 expression in K-562 ((Cat # AT3944a)



Detection limit for recombinant GST tagged SMAD5 is approximately 0.1ng/ml as a capture antibody.

SMAD5 Antibody (monoclonal) (M01) - References

Smad-dependent and smad-independent induction of id1 by prostacyclin analogues inhibits proliferation of pulmonary artery smooth muscle cells in vitro and in vivo. Yang J, et al. Circ Res, 2010 Jul 23. PMID 20522807.Alternative splicing of SMADs in differentiation and tissue homeostasis. Tao S, et al. Dev Growth Differ, 2010 May. PMID 20148926.Smad1-Smad5 ovarian conditional knockout mice develop a disease profile similar to the juvenile form of human granulosa cell tumors. Middlebrook BS, et al. Endocrinology, 2009 Dec. PMID 19819941.BMP4-Smad signaling

pathway mediates adriamycin-induced premature senescence in lung cancer cells. Su D, et al. J Biol Chem, 2009 May 1. PMID 19269967.Investigation of DNA polymorphisms in SMAD genes for genetic predisposition to diabetic nephropathy in patients with type 1 diabetes mellitus. McKnight AJ, et al. Diabetologia, 2009 May. PMID 19247629.