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SMAD5 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant SMAD5.
Catalog # AT3945a

Product Information

Application	WB, IF, E
Primary Accession	Q99717
Other Accession	BC009682
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3A10
Calculated MW	52258

Additional Information

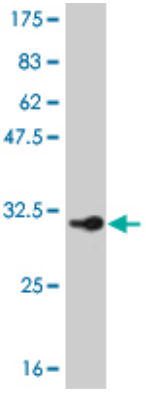
Gene ID	4090
Other Names	Mothers against decapentaplegic homolog 5, MAD homolog 5, Mothers against DPP homolog 5, JV5-1, SMAD family member 5, SMAD 5, Smad5, hSmad5, SMAD5, MADH5
Target/Specificity	SMAD5 (AAH09682, 105 a.a. ~ 182 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
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) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

References

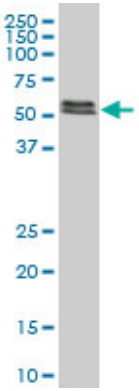
Smad-dependent and smad-independent induction of id1 by prostacyclin analogues inhibits proliferation of pulmonary artery smooth muscle cells in vitro and in vivo. Yang J, et al. Circ Res, 2010 Jul 23. PMID 20522807.Alternative splicing of SMADs in differentiation and tissue homeostasis. Tao S, et al. 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.

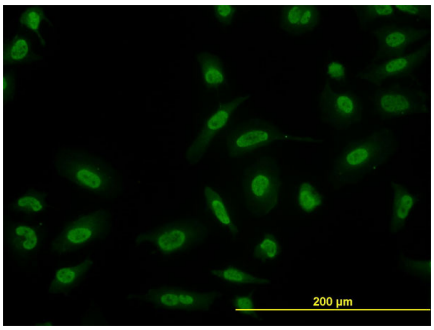
Images



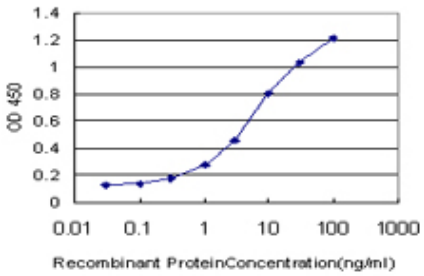
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (34.21 KDa) .



SMAD5 monoclonal antibody (M03), clone 3A10 Western Blot analysis of SMAD5 expression in HeLa ((Cat # AT3945a)



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



Detection limit for recombinant GST tagged SMAD5 is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.