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SMAD6 Antibody (monoclonal) (M07)

Mouse monoclonal antibody raised against a partial recombinant SMAD6.
Catalog # AT3946a

Product Information

Application	WB, E
Primary Accession	O43541
Other Accession	NM_005585
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	4F4
Calculated MW	53497

Additional Information

Gene ID	4091
Other Names	Mothers against decapentaplegic homolog 6, MAD homolog 6, Mothers against DPP homolog 6, SMAD family member 6, SMAD 6, Smad6, hSMAD6, SMAD6, MADH6
Target/Specificity	SMAD6 (NP_005576, 285 a.a. ~ 384 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 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	SMAD6 Antibody (monoclonal) (M07) is for research use only and not for use in diagnostic or therapeutic procedures.

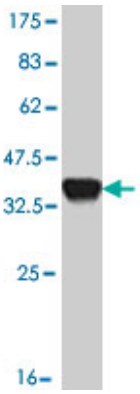
Background

The protein encoded by this gene belongs to the SMAD family of proteins, which are related to Drosophila 'mothers against decapentaplegic' (Mad) and C. elegans Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein functions in the negative regulation of BMP and TGF-beta/activin-signalling. Multiple transcript variants encoding different isoforms have been found for this gene.

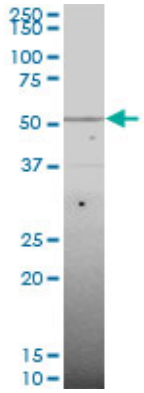
References

Smad2 and Smad6 as predictors of overall survival in oral squamous cell carcinoma patients. Mangone FR, et al. Mol Cancer, 2010 May 12. PMID 20462450.Association of TGFBR2 polymorphism with risk of sudden cardiac arrest in patients with coronary artery disease. Tseng ZH, et al. Heart Rhythm, 2009 Dec. PMID 19959123.Downregulation of SMAD2, 4 and 6 mRNA and TGFbeta receptor I mRNA in lesional and non-lesional psoriatic skin. Yu H, et al. Acta Derm Venereol, 2009. PMID 19688145.Bone mass effects of a Smad6 gene polymorphism in Japanese postmenopausal women. Urano T, et al. J Bone Miner Metab, 2009. PMID 19277452.A new nonsense mutation of SMAD8 associated with pulmonary arterial hypertension. Shintani M, et al. J Med Genet, 2009 May. PMID 19211612.

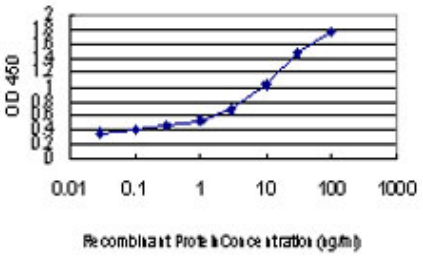
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



SMAD6 monoclonal antibody (M07), clone 4F4. Western Blot analysis of SMAD6 expression in MCF-7 ((Cat # AT3946a)



Detection limit for recombinant GST tagged SMAD6 is approximately 0.03ng/ml as a capture antibody.

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