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TGFB1I1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant TGFB1I1.
Catalog # AT4227a

Product Information

Application	WB, E
Primary Accession	O43294
Other Accession	BC032545
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	4B2-D8
Calculated MW	49814

Additional Information

Gene ID	7041
Other Names	Transforming growth factor beta-1-induced transcript 1 protein, Androgen receptor coactivator 55 kDa protein, Androgen receptor-associated protein of 55 kDa, Hydrogen peroxide-inducible clone 5 protein, Hic-5, TGFB1I1, ARA55
Target/Specificity	TGFB1I1 (AAH32545, 1 a.a. ~ 444 a.a) full-length 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	TGFB1I1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

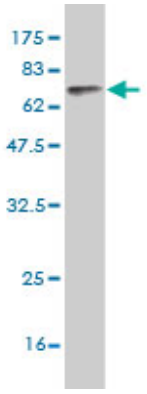
This gene encodes a coactivator of the androgen receptor, a transcription factor which is activated by androgen and has a key role in male sexual differentiation. The encoded protein is thought to regulate androgen receptor activity and may have a role to play in the treatment of prostate cancer. Multiple transcript variants encoding different isoforms have been found for this gene.

References

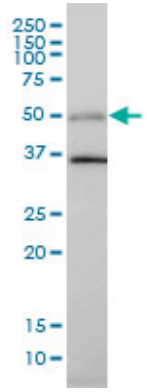
Paxillin and hydrogen peroxide-inducible clone 5 expression and distribution in control and Alzheimer

disease hippocampi. Caltagarone J, et al. J Neuropathol Exp Neurol, 2010 Apr. PMID 20448481.In vitro and in vivo evidence of pathogenic roles of Hic-5/ARA55 in keloids through Smad pathway and profibrotic transcription. Inui S, et al. J Dermatol Sci, 2010 May. PMID 20395114.Slit2-Robo4 signalling promotes vascular stability by blocking Arf6 activity. Jones CA, et al. Nat Cell Biol, 2009 Nov. PMID 19855388.The progesterone receptor coactivator Hic-5 is involved in the pathophysiology of endometriosis. Aghajanova L, et al. Endocrinology, 2009 Aug. PMID 19389829.Smad7 is inactivated through a direct physical interaction with the LIM protein Hic-5/ARA55. Wang H, et al. Oncogene, 2008 Nov 20. PMID 18762808.

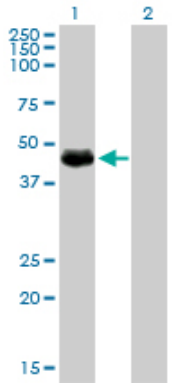
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (74.58 KDa) .

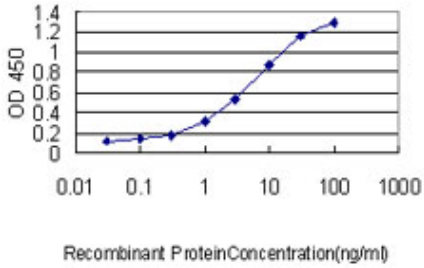


TGFB1I1 monoclonal antibody (M01), clone 4B2-D8
Western Blot analysis of TGFB1I1 expression in Hela ((Cat # AT4227a)

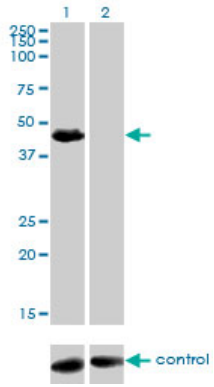


Western Blot analysis of TGFB1I1 expression in transfected 293T cell line by TGFB1I1 monoclonal antibody (M01), clone 4B2-D8.

Lane 1: TGFB1I1 transfected lysate(47.9 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged TGFB1I1 is approximately 0.03ng/ml as a capture antibody.



Western blot analysis of TGFB1I1 over-expressed 293 cell line, cotransfected with TGFB1I1 Validated Chimera RNAi ((Cat # AT4227a)

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