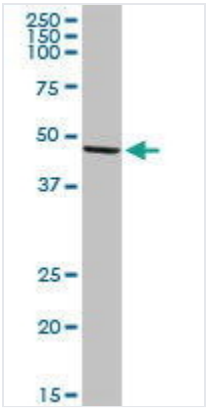
TGFB1I1 Antibody – Rabbit Polyclonal

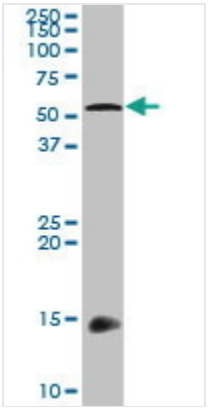
PRODUCT OVERVIEW

Product Name	TGFB1I1, Polyclonal Antibody
Full Product Name	TGFB1I1 (ARA55, Transforming Growth Factor beta-1-induced Transcript 1 Protein, Androgen Receptor Coactivator 55kD Protein, Androgen Receptor-associated Protein of 55kD, Hydrogen Peroxide-inducible Clone 5 Protein)
Product Gene Name	anti-Tgfb1i1 antibody
Product Synonym Names	Anti -TGFB1I1 (ARA55, Transforming Growth Factor beta-1-induced Transcript 1 Protein, Androgen Receptor Coactivator 55kD Protein, Androgen Receptor-associated Protein of 55kD, Hydrogen Peroxide-inducible Clone 5 Protein)
Immunogen Sequence	MPRSGAPKER PAEPLTPPPS YGHQPQTGSG ESSGASGDKD HLYSTVCKPR SPKPAAPAAP PFSSSSGVLG TGLCELDRLL QELNATQFNI TDEIMSQFPS SKVASGEQKE DQSEDKKRPS LPSSPSPGLP KASATSATLE LDRLMASLSD FRVQNHLPAS GPTQPPVVSS TNEGSPSPPE PTGKGSLDTM LGLLQSDLSR RGVPTQAKGL CGSCNKPIAG QVVTALGRAW HPEHFVCGGC STALGGSSFF EKDGAPFCPE CYFERFSPRC GFCNQPIRHK MVTALGTHWH PEHFCCVSCG EPFGDEGFHE REGRPYCRRD FLQLFAPRCQ GCQGPILDNY ISALSALWHP DCFVCRECFA PFSGGSFFEH EGRPLCENHF HARRGSLCAT CGLPVTGRCV SALGRRFHPD HFTCTFCLRP LTKGSFQERA GKPYCQPCFL KLFG
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Recognizes human TGFB1I1. Species Crossreactivity: mouse.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	50,101 Da
Chromosome Location	Chromosome: 7; NC_000073.6 (128246871..128253712). Location: 7; 7 F1-F3
3D Structure	ModBase 3D Structure for Q62219
Immunogen	Full length human TGFB1I1, aa1-444 (NP_057011.2).
Product Categories/Family for anti-Tgfb1i1 antibody	Antibodies; Abs to Growth Factors; Cytokines
Applications Tested/Suitable for anti-Tgfb1i1 antibody	Western Blot (WB)
Application Notes for anti-Tgfb1i1 antibody	Suitable for use in Western Blot.
Related Product Information for anti-Tgfb1i1 antibody	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.

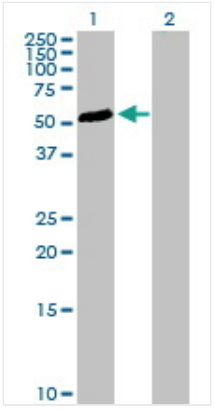
Other Notes	Small volumes of anti-Tgfb1i1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Tgfb1i1 purchase	MBS6001461 is an antibody targeting Tgfb1i1. Also known as TGFB1I1 (ARA55, Transforming Growth Factor beta-1-induced Transcript 1 Protein, Androgen Receptor Coactivator 55kD Protein, Androgen Receptor-associated Protein of 55kD, Hydrogen Peroxide-inducible Clone 5 Protein). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-Tgfb1i1 antibody
TGFB1I1 rabbit polyclonal antibody. Western Blot analysis of TGFB1I1 expression in human pancreas.



Western Blot (WB) of anti-Tgfb1i1 antibody
TGFB1I1 rabbit polyclonal antibody. Western Blot analysis of TGFB1I1 expression in mouse stomach.



Western Blot (WB) of anti-Tgfb1i1 antibody
Western Blot analysis of TGFB1I1 expression in transfected 293T cell line by TGFB1I1 polyclonal antibody. Lane 1: TGFB1I1 transfected lysate (47.9kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Tgfb1i1. It may not necessarily be applicable to this product.

NCBI GI #	6678313
NCBI GeneID	21804
NCBI Accession #	NP_033391.1
UniProt Primary Accession #	Q62219
UniProt Secondary Accession #	Q3YBY7; Q3YBY8; Q3YBZ0; Q3YBZ1; Q3YBZ3; Q3YBZ4; Q3YBZ5; Q3YBZ6
UniProt Related Accession #	Q62219
GenBank Nucleotide #	NM_009365.2
NCBI Official Full Name	transforming growth factor beta-1-induced transcript 1 protein
NCBI Official Synonym Full Names	transforming growth factor beta 1 induced transcript 1

NCBI Official Symbol	Tgfb1i1
NCBI Official Synonym Symbols	Hic5; ARA55; TSC-5; hic-5
UniProt Protein Name	Transforming growth factor beta-1-induced transcript 1 protein
UniProt Synonym Protein Names	Androgen receptor-associated protein of 55 kDa; Hydrogen peroxide-inducible clone 5 protein; Hic-5; TGF beta-stimulated clone 5
Protein Family	Transforming growth factor beta-1-induced transcript 1 protein
UniProt Gene Name	Tgfb1i1
UniProt Synonym Gene Names	Ara55; Hic-5; TSC-5
UniProt Entry Name	TGFI1_MOUSE
NCBI Protein Information	transforming growth factor beta-1-induced transcript 1 protein; TGF beta-stimulated clone 5; hydrogen peroxide-inducible clone 5 protein; androgen receptor-associated protein of 55 kDa
UniProt Comments for Tgfb1i1	Hic-5: Functions as a molecular adapter coordinating multiple protein-protein interactions at the focal adhesion complex and in the nucleus. Links various intracellular signaling modules to plasma membrane receptors and regulates the Wnt and TGFB signaling pathways. May also regulate SLC6A3 and SLC6A4 targeting to the plasma membrane hence regulating their activity. In the nucleus, functions as a nuclear receptor coactivator regulating glucocorticoid, androgen, mineralocorticoid and progesterone receptor transcriptional activity. May play a role in the processes of cell growth, proliferation, migration, differentiation and senescence. May have a zinc-dependent DNA-binding activity. Homooligomer. Interacts with CRIP2, HSPB1, ILK, LIMS1, LIMS2, NCK2, NUDT16L1, PAK, PPARG, PTPN12, TCF3, TCF7L2 and VCL. Forms a complex with GIT1 and ARHGEF7. Interacts with AR/androgen receptor in a ligand-dependent manner. Interacts with CSK, LYN, MAPK15, NR3C1, PPARG, PTK2/FAK1, PTK2B/PYK2, SLC6A3, SLC6A4, SMAD3, SRC and talin. Up-regulated by TNF and hydrogen peroxide. Expressed in platelets, smooth muscle and prostate stromal cells. Belongs to the paxillin family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Transcription, coactivator/corepressor; Nuclear receptor co-regulator; Motility/polarity/chemotaxis Cellular Component: extracellular matrix; focal adhesion; cytoskeleton; cytoplasm; intracellular; nucleus; cell junction Molecular Function: protein binding; Roundabout binding; androgen receptor binding; zinc ion binding; metal ion binding; transcription coactivator activity Biological Process: morphogenesis of embryonic epithelium; cell fate commitment; Wnt receptor signaling pathway; epithelial cell differentiation; response to heat; positive regulation of transcription, DNA-dependent; positive regulation of transforming growth factor beta receptor signaling pathway; cell differentiation; negative regulation of transforming growth factor beta receptor signaling pathway; ubiquitin-dependent SMAD protein catabolic process; negative regulation of fat cell differentiation
Research Articles on Tgfb1i1	**1.** Hic-5 is expressed in B16-F1 murine melanoma cells.
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