

Rabbit anti-Mouse, Human Tgfb1 Polyclonal Antibody | anti-Tgfb1 antibody

Tgfb1 Antibody

CATALOG # AAA232705	HOST Rabbit	REACTIVITY Mouse, Human	APPLICATIONS Western Blot, ELISA
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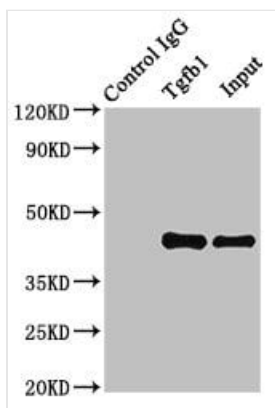
PRODUCT SYNONYMS

Tgfb1; Polyclonal Antibody; Tgfb1 Antibody; Transforming growth factor beta-1TGF-beta-1; anti-Tgfb1 antibody

PRODUCT SPECIFICATIONS

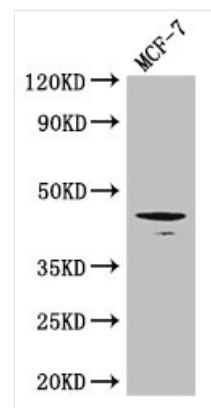
Host	Rabbit
Reactivity	Mouse, Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	390
Applicable Applications for anti-Tgfb1 antibody	WB (Western Blot), ELISA
Immunogen	Recombinant Mouse Transforming growth factor beta-1 protein (30-391AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	Non-conjugated
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitating Tgfb1 in MCF-7 whole cell lysate Lane 1: Rabbit monoclonal IgG (1ug) instead of AAA232705 in MCF-7 whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: AAA232705 (8ug) + MCF-7 whole cell lysate (500ug) Lane 3: MCF-7 whole cell lysate (10ug)



WB (Western Blot)

Western Blot Positive WB detected in: MCF-7 whole cell lysate All lanes: Tgfb1 antibody at 3ug/ml Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 45 kDa Observed band size: 45 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-Tgfb1 antibody	Multifunctional protein that controls proliferation, differentiation and other functions in many cell types. Many cells synthesize TGFβ1 and have specific receptors for it. It positively and negatively regulates many other growth factors. It plays an important role in bone remodeling as it is a potent stimulator of osteoblastic bone formation, causing chemotaxis, proliferation and differentiation in committed osteoblasts. Can promote either T-helper 17 cells (Th17) or regulatory T-cells (Treg) lineage differentiation in a concentration-dependent manner. At high concentrations, leads to FOXP3-mediated suppression of RORC and down-regulation of IL-17 expression, favoring Treg cell development. At low concentrations in concert with IL-6 and IL-21, leads to expression of the IL-17 and IL-23 receptors, favoring differentiation to Th17 cells (PubMed: 18368049). Mediates SMAD2/3 activation by inducing its phosphorylation and subsequent translocation to the nucleus. Can induce epithelial-to-mesenchymal transition (EMT) and cell migration in various cell types (By similarity).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6755775
NCBI GeneID	21803
NCBI Accession #	NP_035707.1
NCBI GenBank Nucleotide #	NM_011577.2
UniProt Accession #	P04202
Molecular Weight	44,310 Da
NCBI Official Full Name	transforming growth factor beta-1 preproprotein
NCBI Official Synonym Full Names	transforming growth factor, beta 1
NCBI Official Symbol	Tgfb1
NCBI Official Synonym Symbols	Tgfb; Tgfb-1; TGFbeta1; TGF-beta1
NCBI Protein Information	transforming growth factor beta-1
UniProt Protein Name	Transforming growth factor beta-1
UniProt Gene Name	Tgfb1
UniProt Synonym Gene Names	TGF-beta-1; LAP
UniProt Entry Name	TGFB1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/tgfb1-antibody-western-blot-elisa/232705>