

Rabbit TGFB1 Polyclonal Antibody | anti-TGFB1 antibody

TGFB1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284683	Rabbit	Human Predicted Reactivity: Bovine, Mouse, Pig, Rabbit	Flow Cytometry, Functional Assay, ELISA, Western Blot

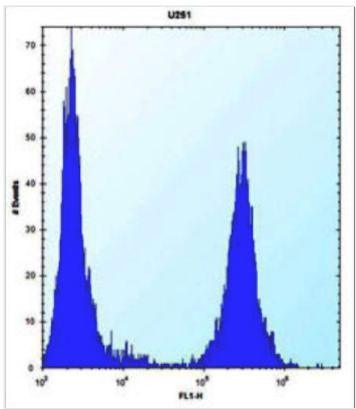
PRODUCT SYNONYMS

TGFB1; Polyclonal Antibody; TGFB1 Antibody (N-term); Transforming growth factor-beta-induced protein ig-h3; Beta ig-h3; Kerato-epithelin; RGD-containing collagen-associated protein; RGD-CAP; BIGH3; anti-TGFB1 antibody

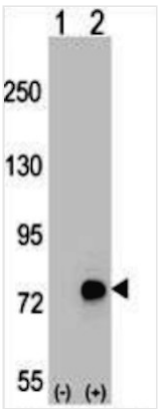
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted Reactivity: Bovine, Mouse, Pig, Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This TGFB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 106-135 amino acids from the N-terminal region of human TGFB1.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	106-135
Sequence Length	683
Applicable Applications for anti-TGFB1 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Function	Plays a role in cell adhesion (PubMed:8024701). May play a role in cell-collagen interactions (By similarity).
Cellular Location	Secreted Secreted, extracellular space, extracellular matrix. Note=May be associated both with microfibrils and with the cell surface (PubMed:8077289)
Tissue Location	Highly expressed in the corneal epithelium (PubMed:8077289). Expressed in heart, placenta, lung, liver, skeletal muscle, kidney and pancreas (PubMed:8077289)
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks,. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
TGFB1 Antibody (N-term) flow cytometric analysis of U251 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of TGFB1 (arrow) using rabbit polyclonal TGFB1 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the TGFB1 gene.

ADDITIONAL INFORMATION

Related Product Information for anti-TGFB1 antibody	This gene encodes an RGD-containing protein that binds to type I, II and IV collagens. The RGD motif is found in many extracellular matrix proteins modulating cell adhesion and serves as a ligand recognition sequence for several integrins. This protein plays a role in cell-collagen interactions and may be involved in endochondrial bone formation in cartilage. The protein is induced by transforming growth factor-beta and acts to inhibit cell adhesion. Mutations in this gene are associated with multiple types of corneal dystrophy.
Product Categories/Family for anti-TGFB1 antibody	Cancer; Cardiovascular; Developmental Biology; Neuroscience; Signal Transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Edelstein, S.L., et al. Cornea 29(6):698-700(2010) Romero, P., et al. Mol. Vis. 16, 1601-1609 (2010) : Paliwal, P., et al. Mol. Vis. 16, 1429-1438 (2010) : Yang, J., et al. Mol. Vis. 16, 1186-1193 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507467
NCBI GeneID	7045
NCBI Accession #	NP_000349.1
NCBI GenBank Nucleotide #	NM_000358.2
UniProt Accession #	Q15582; O14471; O14472; O14476; O43216; O43217; O43218; O43219; Q53XM1; D3DQB1
Molecular Weight	74681
NCBI Official Full Name	transforming growth factor-beta-induced protein ig-h3
NCBI Official Synonym Full Names	transforming growth factor, beta-induced, 68kDa
NCBI Official Symbol	TGFB1
NCBI Official Synonym Symbols	CSD; CDB1; CDG2; CSD1; CSD2; CSD3; EBMD; LCD1; BIGH3; CDGG1
NCBI Protein Information	transforming growth factor-beta-induced protein ig-h3
UniProt Protein Name	Transforming growth factor-beta-induced protein ig-h3
UniProt Gene Name	TGFB1

UniProt Synonym Gene Names	BIGH3; Beta ig-h3; RGD-CAP
UniProt Entry Name	BGH3_HUMAN

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-flow-cytometry-western-blot-elisa/284683>