

Rabbit TGFB1 Polyclonal Antibody | anti-TGFB1 antibody

TGFB1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283701	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Pig, Rat)	Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

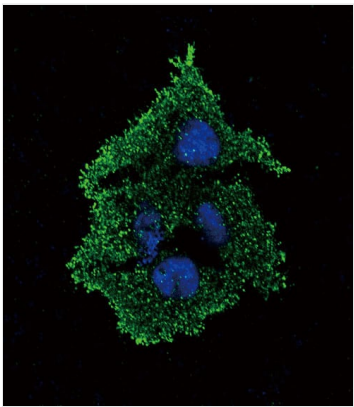
PRODUCT SYNONYMS

TGFB1; Polyclonal Antibody; TGFB1 Antibody (N-term); Transforming growth factor beta-1; TGF-beta-1; Latency-associated peptide; LAP; TGFB; anti-TGFB1 antibody

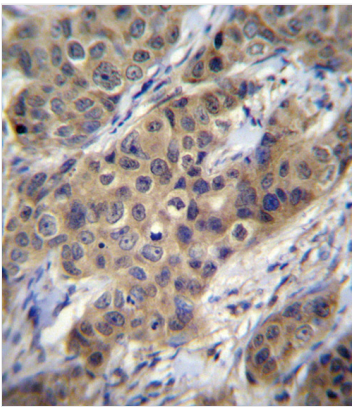
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TGFB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 22-50 amino acids from the N-terminal region of human TGFB1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	22-50
Sequence Length	390
Applicable Applications for anti-TGFB1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

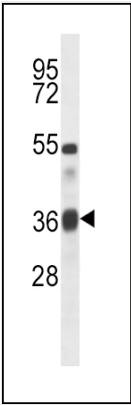
IMAGES



IF (Immunofluorescence)
Confocal immunofluorescent analysis of TGFB1 Antibody (N-term) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)
TGFB1 Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TGFB1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
TGFB1 Antibody (N-term) western blot analysis in mouse heart tissue lysates (35ug/lane). This demonstrates the TGFB1 antibody detected the TGFB1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-TGFB1 antibody	TGFB1 is a member of the transforming growth factor beta (TGFB) family of cytokines, which are multifunctional peptides that regulate proliferation, differentiation, adhesion, migration, and other functions in many cell types. Many cells have TGFB receptors, and the protein positively and negatively regulates many other growth factors. The secreted protein is cleaved into a latency-associated peptide (LAP) and a mature TGFB1 peptide, and is found in either a latent form composed of a TGFB1 homodimer, a LAP homodimer, and a latent TGFB1-binding protein, or in an active form composed of a TGFB1 homodimer. The mature peptide may also form heterodimers with other TGFB family members. This gene is frequently upregulated in tumor cells, and mutations in this gene result in Camurati-Engelmann disease.
Product Categories/Family for anti-TGFB1 antibody	Cancer; Cardiovascular; Developmental Biology; Metabolism; Signal Transduction
References	Perez, A.B., et al. Hum. Immunol. 71(11):1135-1140(2010) Xu, Z., et al. Biochem. Biophys. Res. Commun. 401(3):376-381(2010) Bran, G.M., et al. Anticancer Res. 30(9):3459-3463(2010) Zauli, G., et al. Blood 80(12):3036-3043(1992) Wrana, J.L., et al. Cell 71(6):1003-1014(1992)

NCBI AND UNIPROT INFORMATION

NCBI GI #	63025222
NCBI GeneID	7040

NCBI Accession #	NP_000651.3
NCBI GenBank Nucleotide #	NM_000660.5
UniProt Accession #	P01137; Q9UCG4; A8K792
Molecular Weight	44341
NCBI Official Full Name	transforming growth factor beta-1
NCBI Official Synonym Full Names	transforming growth factor, beta 1
NCBI Official Symbol	TGFB1
NCBI Official Synonym Symbols	CED; LAP; DPD1; TGFB; TGFbeta
NCBI Protein Information	transforming growth factor beta-1
UniProt Protein Name	Transforming growth factor beta-1
UniProt Gene Name	TGFB1
UniProt Synonym Gene Names	TGFB; TGF-beta-1; LAP
UniProt Entry Name	TGFB1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/tgfb1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/283701>