

Rabbit TGF beta1 Polyclonal Antibody | anti-TGFB1 antibody

TGF beta1 Antibody

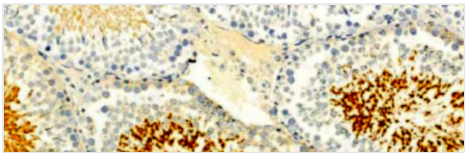
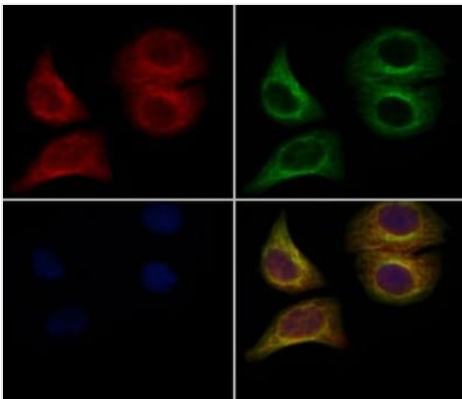
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30932	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

PRODUCT SYNONYMS

TGF beta1; Polyclonal Antibody; TGF beta1 Antibody; Cartilage-inducing factor; CED; Differentiation inhibiting factor; DPD1; LAP; Latency-associated peptide; Prepro transforming growth factor beta 1; TGF beta 1; TGF beta; TGF beta 1 protein; TGF-beta 1 protein; TGF-beta-1; TGF-beta-5; TGF-beta1; TGFB; Tgfb-1; tgfb1; TGFB1_HUMAN; TGFbeta; TGFbeta1; Transforming Growth Factor b1; Transforming Growth Factor beta 1; Transforming growth factor beta 1a; transforming growth factor beta-1; transforming growth factor; beta 1; Transforming Growth Factor-beta1; anti-TGFB1 antibody

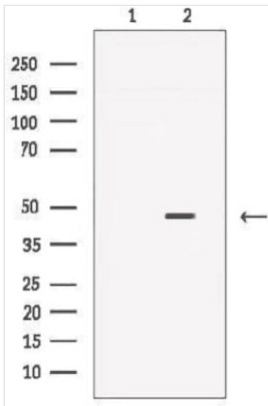
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Form/Format	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	~1mg/ml (varies by lot)
Applicable Applications for anti-TGFB1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF/ICC: 1:200 *The optimal dilutions should be determined by the end user. IMPORTANT: For western blot, incubate membrane with diluted primary Abin 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.
Immunogen	A synthesized peptide derived from human TGF beta1,corresponding to a region within C-terminal amino acids.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA30932 at 1/100 staining Rat testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary Ab at 4°C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.

IF (Immunofluorescence)
AAA30932 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA30932 1:200) and mouse anti-beta tubulin Ab(1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)
Western blot analysis of extracts from 3T3, using TGF beta1 Ab. The lane on the left was treated with blocking peptide.

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 TGFB1 and have specific receptors for it. It positively and negatively regulates many other growth factors.
References	Zhao J, Wu M, Chen S, Ji Z, Zheng X; Journal: Neurourol Urodyn. TGF-beta1 and connexin-43 expression in neurogenic bladder from rats with sacral spinal cord injury. Hui Z, Dingjie X, Yuan Y, Zhongqiu W, Na M, Mingjian B, Yu G, Guangyuan L, Xuemin G, Shifeng L, Yucong G, Fang Y, Summer R, Hong X; Journal: Toxicol Appl Pharmacol. Silicosis decreases bone mineral density in rats. Xia Y, Deng J, Zhou Q, Shao X, Yang X, Sha M, Zou H; Journal: Transpl Immunol. Expression and significance of Sirt1 in renal allografts at the early stage of chronic renal allograft dysfunction. Yan C, Li B, Fan F, Du Y, Ma R, Cheng XD, Li XY, Zhang B, Yu Q, Wang YG, Tang RX, Zheng KY; Journal: Sci Rep. The roles of Toll-like receptor 4 in the pathogenesis of pathogen-associated biliary fibrosis caused by Clonorchis sinensis. Ai XY, Liu HJ, Lu C, Liang CL, Sun Y, Chen S, Sun B, Li Y, Liu YR, Zhang Q, Liu XQ, Xiao T, Jing XS, Sun T, Zhou HG, Yang C; Journal: Theranostics. Phenyltin silver: a new nanocompound for promoting dermal wound healing via comprehensive pharmacological action.

NCBI AND UNIPROT INFORMATION

NCBI GI #	63025222
NCBI GeneID	7040

NCBI Accession #	NP_000651.3
NCBI GenBank Nucleotide #	NM_000660.6
UniProt Accession #	P01137 ; Q9UCG4 ; A8K792
Molecular Weight	44~65kd (precursor) 28kD(dimer), 15kD(monomer)
NCBI Official Full Name	transforming growth factor beta-1 proprotein preproprotein
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 proprotein; transforming growth factor beta-1
UniProt Protein Name	Transforming growth factor beta-1 proprotein
UniProt Gene Name	TGFB1
UniProt Synonym Gene Names	LAP; TGF-beta-1

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/tgf-beta1-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/30932>