Rabbit TGF-Beta 1 Polyclonal Antibody | anti-TGFB1 antibody

TGF-Beta 1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29953	**Rabbit**	**Human, Mouse, Rat, Zebrafish**	**Western Blot, Immunohistochemistry, Immunofluorescence**

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Zebrafish
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Peptide affinity purified
Form/Format	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-TGFB1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500-1:1,000 IHC: 1:200 ICC: 1:200 FC:1:100
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at 4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze-thaw cycles.

IMAGES

FCM (Flow Cytometry)
Flow cytometric analysis of HepG2 cells with TGF-Beta 1 antibody at 1/100 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Goat anti rabbit IgG (FITC) was used as the secondary antibody.

ICC (Immunocytochemistry)
ICC staining TGF-Beta 1 in SKBR-3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

ICC (Immunocytochemistry)
ICC staining TGF-Beta 1 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

ICC (Immunocytochemistry)
ICC staining TGF-Beta 1 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

ICC (Immunocytochemistry)
ICC staining TGF-Beta 1 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-TGF-Beta 1 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-TGFB1 antibody	Many cells synthesize TGFB1 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. Heterodimers of TGFB1/TGFB2 have been found in bone. Interacts with CD109 and DPT. Interacts with ASPN. Function: TGF beta 2 has suppressive effects on interleukin-2 dependent T-cell growth. Tissue specificity: TGF beta 1 is highly expressed in bone. A chromosomal aberration involving TGFB2 is found in a family with Peters anomaly.
Product Categories/Family for anti-TGFB1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	63025222
NCBI GeneID	7040
NCBI Accession #	NP_000651.3
NCBI GenBank Nucleotide #	NM_000660.4
UniProt Accession #	P01137; Q9UCG4; A8K792
Molecular Weight	44 kDa
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; TGF-beta-1; TGF-beta 1 protein; latency-associated peptide
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.

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