

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

Rabbit Polyclonal to Human TGFB1 / TGF Beta 1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50694	Rabbit	Human	ELISA, Western Blot, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

TGFB1 / TGF Beta 1; Polyclonal Antibody; Rabbit Polyclonal to Human TGFB1 / TGF Beta 1; Anti-TGFB1 / TGF Beta 1 Antibody (aa286-293) IHC-plus; TGFB1; CED; DPD1; Diaphyseal dysplasia 1; LAP; Latency-associated peptide; TGF Beta; TGFbeta; TGF-beta 1 protein; TGF-beta-1; TGFB; Human TGFB1; TGF Beta 1; anti-TGFB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Aa 286-293 (of 390) of full-length (including signal peptide) precursor TGFb protein. This sequence also corresponds with aa 8-15 (of 112) of the mature growth factor.
Purity/Purification	Immunoaffinity Purified
Form/Format	0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01% sodium azide.
Concentration	0.94 mg/ml (varies by lot)
Sequence Length	390
Applicable Applications for anti-TGFB1 antibody	ELISA, WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide from human TGFB1 / TGF Beta.
Immunogen Type	Synthetic peptide
Immunogen	TGFB1 / TGF Beta 1 antibody was raised against synthetic peptide from human TGFB1 / TGF Beta.
Antigen Modification	aa286-293
Preparation and Storage	Long term: -20 degree C; Short term: +4 degree C; Avoid freeze-thaw cycles.

IMAGES



WB (Western Blot)

Each lane contains 250 ng of protein under non-reducing (lane 1) and reducing conditions (lane 2). The blot was incubated with a 1:200 dilution of the antibody at room temperature for 1 h followed by detection using IRDye 800 labeled Goat-a-Rabbit IgG (H&L). IRDye 800 fluorescence image was captured using the Odyssey Infrared Imaging System developed by LI-COR.



IHC (Immunohistochemistry)

Anti-TGFB1 antibody IHC of human spleen. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-TGFB1 antibody	TGF Beta is a multifunctional peptide that controls proliferation, differentiation, and other functions in many cell types. TGFB acts synergistically with TGFA in inducing transformation. It also acts as a negative autocrine growth factor. Dysregulation of TGFB activation and signaling may result in apoptosis. Many cells synthesize TGFB and almost all of them have specific receptors for this peptide. It plays an important role in bone remodeling.
Product Categories/Family for anti-TGFB1 antibody	Family: TGF beta

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	44,341 Da
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; latency-associated peptide; prepro-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.