

Datasheet for ABIN2470323
anti-TGFB1 antibody (AA 286-293)



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Overview

Quantity:	0.05 mg
Target:	TGFB1
Binding Specificity:	AA 286-293
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TGFB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	TGFB1 antibody was raised against Aa 286-293 (of 390) of full-length (including signal peptide) precursor TGFb protein.
Purification:	Immunoaffinity Chromatography

Target Details

Target:	TGFB1
Alternative Name:	TGFB1 (TGFB1 Products)
Background:	TGF-beta-1 is a multifunctional cytokine that belongs to a superfamily of structurally related regulatory proteins, which includes three mammalian TGF-beta isoforms (TGF-beta-1, -beta-2, and -beta-3), activin/inhibins and bone morphogenetic proteins. The most abundant isoform, TGF-beta-1, is a 25 kDa homodimer composed of two 12.5 kDa subunits joined by disulfide

Target Details

bonds. TGF-beta-1 is a highly conserved molecule - the amino acid sequence between human and mouse differ only by one residue. Although originally defined by its ability to cause anchorage independent cell growth and changes in cell morphology of rat fibroblasts, subsequent research has revealed that TGF-beta is actually a major growth inhibitor for most cell types. It is produced by a wide variety of cell and tissue types during all stages of cell differentiation. TGF-beta-1 sources include platelets, bone and soft tissues such as placenta and kidneys.

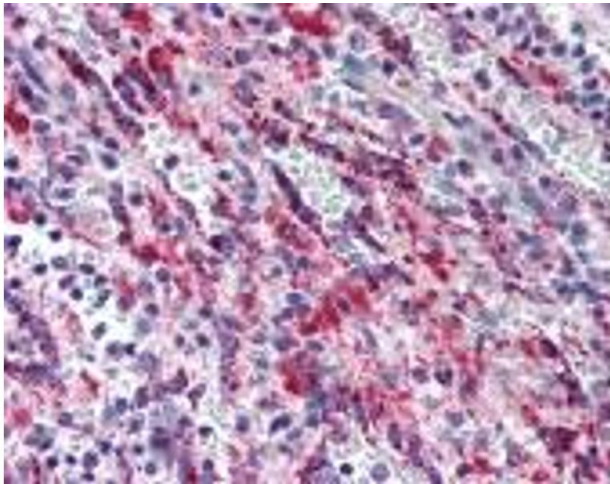
Gene ID:	7040
UniProt:	P01137
Pathways:	EGFR Signaling Pathway , Dopaminergic Neurogenesis , Cellular Response to Molecule of Bacterial Origin , Glycosaminoglycan Metabolic Process , Regulation of Leukocyte Mediated Immunity , Regulation of Muscle Cell Differentiation , Positive Regulation of Immune Effector Process , Cell-Cell Junction Organization , Production of Molecular Mediator of Immune Response , Ribonucleoside Biosynthetic Process , Skeletal Muscle Fiber Development , Regulation of Carbohydrate Metabolic Process , Protein targeting to Nucleus , Autophagy , Cancer Immune Checkpoints

Application Details

Application Notes:	TGFB1 antibody can be used in ELISA starting at 1:000 - 1:1000, and immunohistochemistry starting at 10 µg/mL.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	As with all antibodies avoid freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store TGFB1 antibody at 4 °C or -20 °C.



Immunohistochemistry

Image 1.