

Datasheet for ABIN1042684
anti-TGFB1 antibody



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1 Publication

Overview

Quantity:	0.1 mL
Target:	TGFB1
Reactivity:	Human, Mouse, Rat, Cow, Sheep, Rabbit, Mink
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TGFB1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	TGF-beta from human platelets
Clone:	TB21
Isotype:	IgG1
Specificity:	Reacts with the dimeric (25 kDa) and monomeric (12.5 kDa) forms of TGF-beta under both non-reducing and reducing conditions respectively. This antibody recognizes both human platelet-derived and recombinant TGF-beta in ELISA
Purification:	Protein G purified

Target Details

Target:	TGFB1
Alternative Name:	TGF beta1 (TGFB1 Products)

Target Details

Background:	Synonyms: Camurati Engelmann disease antibody,CED antibody,Diaphyseal dysplasia 1 progressive antibody,DPD1 antibody,LAP antibody,Latency-associated peptide antibody,TGF beta 1 antibody,TGF beta antibody,TGF-beta-1 antibody,TGF-beta-5 antibody,TGF-beta1 antibody,TGFB 1 antibody,TGFB antibody,Tgfb-1 antibody,TGFB1 antibody,TGFB1_HUMAN antibody,TGFbeta antibody,TGFbeta1 antibody,Transforming Growth Factor beta 1 antibody,Transforming growth factor, beta 1a antibody
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:	Neutralizing: This antibody neutralizes TGF-beta activity in vitro, in an inhibition assay of CCL/64 cell growth and neutralizes the growth promoting action of TGF-beta in the NRK-49F colony forming assay. The effect of microinjection of this antibody into one blastomere of two cell stage Xenopus embryos indicated that it was able to neutralize effectively the bioactivity of TGF-beta in vivo. IHC: This antibody has been used to demonstrate TGF-beta in ovine ovarian tissue and human breast carcinoma at a dilution of 1:1000. As a consequence of the intense staining of the erythrocytes it is possible to locate a single cell within the ovarian stroma making it useful in locating very fine capillary networks within tissue. Western Blotting: This antibody when used at an antibody concentration of 5--20 ng/mL will allow visualization of 100 ng/lane of TGF-beta.
Comment:	Myeloma, fusion partners: Sp2/0 Ag.14
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL

Handling

Buffer: Whole IgG in 0.01M PBS, pH 7.0

Publications

Product cited in: Crawford, Stellmach, Murphy-Ullrich, Ribeiro, Lawler, Hynes, Boivin, Bouck: "Thrombospondin-1 is a major activator of TGF-beta1 in vivo." in: **Cell**, Vol. 93, Issue 7, pp. 1159-70, (1998) ([PubMed](#)).