

Datasheet for ABIN1533412
anti-TGFB1 antibody (AA 336-385)



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2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	TGFB1
Binding Specificity:	AA 336-385
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TGFB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human TGF beta1.
Isotype:	IgG
Specificity:	TGF beta1 Antibody detects endogenous levels of total TGF beta1 protein.
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using immunogen.
Purity:	> 95 %

Target Details

Target:	TGFB1
Alternative Name:	TGF Beta1 (TGFB1 Products)
Background:	Synonyms: CED, diaphyseal dysplasia 1, progressive, DPD1, TGF-beta 1, TGFB, transforming

Target Details

	growth factor, beta 1, transforming growth factor, beta 1 (Camurati-Engelmann disease) NCBI Gene Symbol: TGFB1
Molecular Weight:	44 kDa
Gene ID:	7040
OMIM:	131300
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

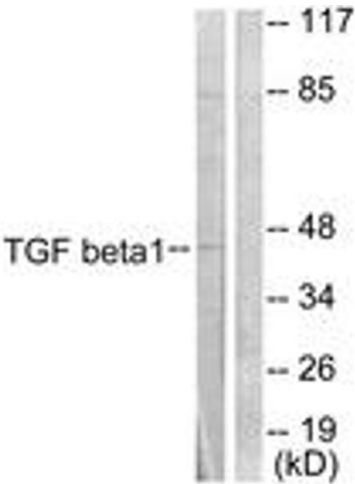
Application Details

Application Notes:	WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:5000
Comment:	Unigene-Number: Hs.645227 (NCBI Gene Symbol: TGFB1)
Restrictions:	For Research Use only

Handling

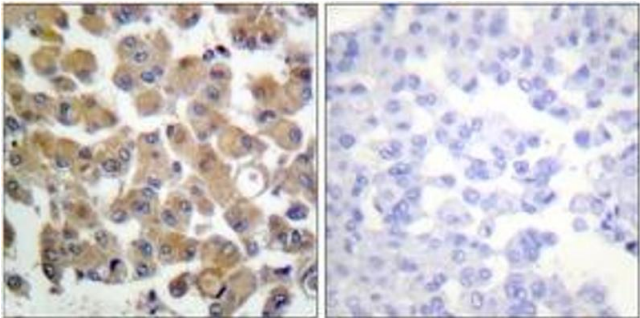
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months

Product cited in: Matsumoto, Niimi, Kohyama: "Characterization of fibrosis-promoting factors and siRNA-mediated therapies in C-protein-induced experimental autoimmune myocarditis." in: **Cellular immunology**, Vol. 279, Issue 1, pp. 70-7, (2012) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis of extracts from HepG2 cells, using TGF beta1 Antibody. The lane on the right is treated with the synthesized peptide.



Immunohistochemistry

Image 2. Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using TGF beta1 Antibody. The picture on the right is treated with the synthesized peptide.