

TGFB1 Antibody

Catalog No: #35958

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Description

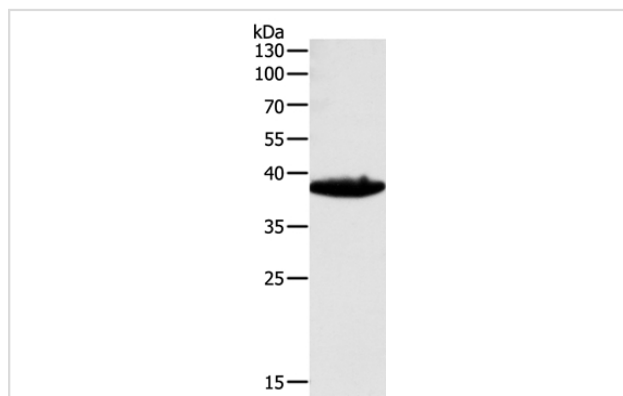
Product Name	TGFB1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total TGFB1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from internal residues of human Transforming growth factor, beta 1
Target Name	TGFB1
Other Names	CED; LAP; DPD1; TGFB; TGFbeta
Accession No.	Swiss-Prot#: P01137NCBI Gene ID: 7040Gene Accssion: BC000125
Uniprot	P01137
GeneID	7040;
SDS-PAGE MW	44kd
Concentration	0.9mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500-1:2000

Immunohistochemistry: 1:25-1:100

Images



Gel: 10%SDS-PAGE

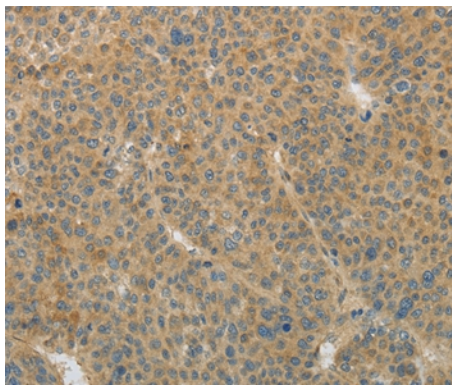
Lysates (from left to right): Mouse heart tissue

Amount of lysate: 40ug per lane

Primary antibody: 1/450 dilution

Secondary antibody dilution: 1/8000

Exposure time: 20 seconds



Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using #35958 at dilution 1/25.

Background

This gene encodes a member of the transforming growth factor beta (TGFB) family of cytokines, which are multifunctional peptides that regulate proliferation, differentiation, adhesion, migration, and other functions in many cell types. Many cells have TGFB receptors, and the protein positively and negatively regulates many other growth factors. The secreted protein is cleaved into a latency-associated peptide (LAP) and a mature TGFB1 peptide, and is found in either a latent form composed of a TGFB1 homodimer, a LAP homodimer, and a latent TGFB1-binding protein, or in an active form composed of a TGFB1 homodimer. The mature peptide may also form heterodimers with other TGFB family members. This gene is frequently upregulated in tumor cells, and mutations in this gene result in Camurati-Engelmann disease.

Note: This product is for in vitro research use only