

TGFB1 Monoclonal Antibody

Catalog No	A0291	Category	Monoclonal Antibodies
Applications	WB,IHC,FC	Observed MW	40kDa
Cross-Reactivity	Human	Calculated MW	44kDa

Immunogen Information

Immunogen	Recombinant protein of human TGFB1
Gene ID	7040
Swiss Prot	P01137
Synonyms	CED,DPD1,LAP,TGFB,TGFbeta

Product information

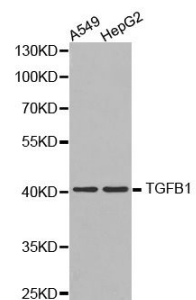
Source	Mouse
Isotype	IgG
Purity	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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.

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200
FC	1:50 - 1:200



Western blot analysis of extracts of various cell lines, using TGFB1 antibody (A0291).
 Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.
 Lysates/proteins: 25ug per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.