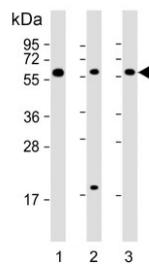


TGFB1 Antibody (F55055)

Catalog No.	Formulation	Size
F55055-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F55055-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P01137
Applications	Western Blot : 1:2000
Limitations	This TGFB1 antibody is available for research use only.



Western blot testing of human 1) HepG2, 2) K562 and 3) Raji cell lysate using TGFB1 antibody. Predicted molecular weight: 44-50 kDa (precursor), ~25 kDa (active form).

Description

TGFB1 is 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.

Application Notes

Titration of the TGFB1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 22-50 from the human protein was used as the immunogen for this TGFB1 antibody.

Storage

Aliquot the TGFB1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.