

TGF beta 1 Rabbit pAb

Catalog Number: BN41483R

Target Protein: TGF beta 1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), Flow-Cyt (1 μ g /Test), IF (1:100-500), ELISA (1:5000-10000)

Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Dog, Guinea Pig)

Predicted MW: 12.8/44 kDa

Isotype: IgG

Entrez Gene: 7040

Swiss Prot: P01137

Source: KLH conjugated synthetic peptide derived from human TGF-Beta 1: 351-390/390.

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.