

TGF beta 1 polyclonal antibody

Catalog: BS80030

Host: Rabbit

Reactivity: Human, Mouse, Rat

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.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 44 kDa

Swiss-Prot:

P01137

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB,1:500 - 1:1000|IHC,1:50 - 1:100|IF/ICC,1:50 - 1:200

Storage&Stability:

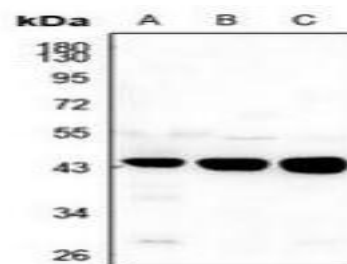
Store at 4°C short term. Aliquot and store at -20°C long

term. Avoid freeze-thaw cycles.

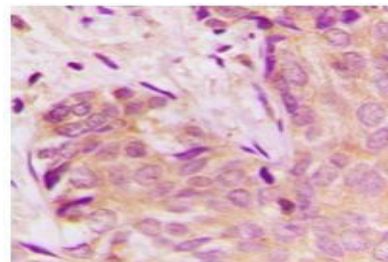
Specificity:

TGF beta 1 polyclonal antibody detects endogenous levels of TGF beta 1 protein.

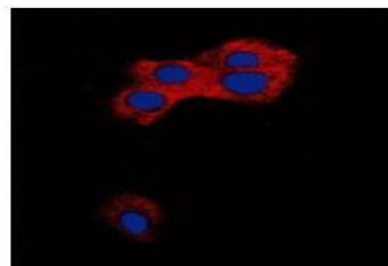
DATA:



Western blot analysis of TGF beta 1 expression in HeLa (A), Myla2059 (B), SGC7901 (C) whole cell lysates.



Immunohistochemical analysis of TGF beta 1 staining in human breast cancer formalin fixed paraffin embedded tissue section.



Immunofluorescent analysis of TGF beta 1 staining in MCF7 cells.

Note:

For research use only, not for use in diagnostic procedure.

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