



Rabbit anti TGF beta 1 Polyclonal Antibody

Alternative Name(s): Transforming Growth Factor b1 (TGFb1)

Order Information

- **Description:** TGF beta 1
- **Catalogue:** 500-11264
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), ELISA
- **Reactivity:** Hu

ANTIGEN PREPARATION

A synthetic peptide derived from internal sequence (90-160aa) of human TGFbeta receptor type-2. This sequence is also identical within human, rat, mouse, chicken, bovine species.

BACKGROUND

TGF-beta-1 precursor is cleaved into mature TGF-beta-1 and LAP. The protein controls proliferation, differentiation, positively and negatively regulates other growth factors. Defects in TGFB1 are the cause of Camurati-Engelmann disease.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes ~12.5 kDa/39 kDa of TGF-beta 1. It reacts with human. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

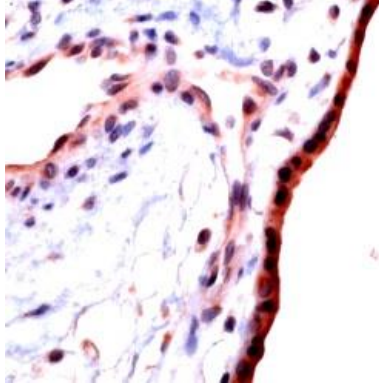
- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 44.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Immunohistochemistry: Human placenta stained with Rabbit Anti-TGF-beta 1 Antibody (Cat# 500-11264) at 1:25 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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