

A21245

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# TGF beta 1 Rabbit mAb

Catalog No.: A21245

Recombinant

3 Publications

## Basic Information

### Observed MW

45-60kDa

### Calculated MW

44kDa

### Category

SMab Recombinant Monoclonal  
Antibody

### Applications

WB,IF/ICC,ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC5123-02

## Recommended Dilutions

WB 1:2000 - 1:6000

IF/ICC 1:50 - 1:200

ELISA Recommended starting  
concentration is 1  
µg/mL. Please optimize  
the concentration  
based on your specific  
assay requirements.

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Background

This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate a latency-associated peptide (LAP) and a mature peptide, and is found in either a latent form composed of a mature peptide homodimer, a LAP homodimer, and a latent TGF-beta binding protein, or in an active form consisting solely of the mature peptide homodimer. The mature peptide may also form heterodimers with other TGF-beta family members. This encoded protein regulates cell proliferation, differentiation and growth, and can modulate expression and activation of other growth factors including interferon gamma and tumor necrosis factor alpha. This gene is frequently upregulated in tumor cells, and mutations in this gene result in Camurati-Engelmann disease.

## Immunogen Information

### Gene ID

7040

### Swiss Prot

P01137

### Immunogen

Recombinant protein of human TGF beta 1.

### Synonyms

CED; LAP; DPD1; TGFB; IBDIMDE; TGFbeta; TGF-beta1; TGF beta 1

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

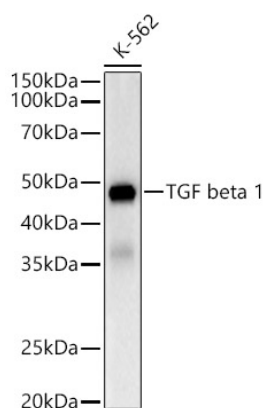
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

## Validation Data



Western blot analysis of lysates from K-562 cells, using TGF beta 1 Rabbit mAb (A21245) at 1:5000 dilution.

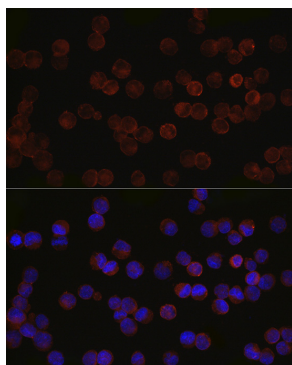
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Immunofluorescence analysis of K-562 cells using TGF beta 1 Rabbit mAb (A21245) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.