

A Reliable Research Partner in Life Science and Medicine

# Recombinant TGF \$1 Monoclonal Antibody

catalog number: AN300941L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

#### **Description**

Reactivity Human; Mouse; Rat

Immunogen Recombinant Human TGF β1 protein

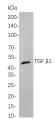
HostRabbitIsotypeIgG,κCloneB888PurificationProtein A

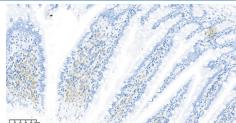
Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

## Applications Recommended Dilution

**IHC** 1:2000-1:5000 **WB** 1:1000-1:5000

#### Data





Western Blot with Recombinant TGF β1 Monoclonal Immunohistochemistry of paraffin-embedded rat jejunum
Antibody at dilution of 1:1000 dilution. Lane A: HepG2 cells. using Recombinant TGF β1 Monoclonal Antibody at dilution

Observed-MW:44 kDa,13 kDa of 1:200.

Calculated-MW:44 kDa

## **Preparation & Storage**

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping lce bag

### **Background**

Transforming growth factor beta 1(TGFB1) Homo sapiens 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 TGFB 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.

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