

Recombinant TGF β 1 Monoclonal Antibody

catalog number: **AN300941L**

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

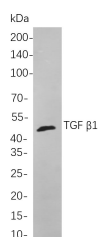
Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human TGF β 1 protein
Host	Rabbit
Isotype	IgG, κ
Clone	3F3
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

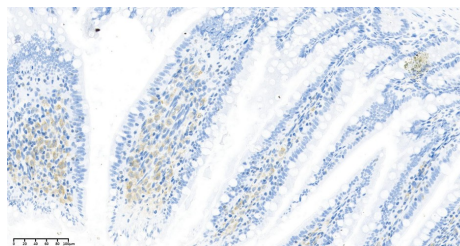
Applications	Recommended Dilution
IHC	1:2000-1:5000
WB	1:1000-1:5000

Data



Western Blot with Recombinant TGF β 1 Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: HepG2 cells.

Observed-MW:44 kDa,13 kDa
Calculated-MW:44 kDa



Immunohistochemistry of paraffin-embedded rat jejunum using Recombinant TGF β 1 Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

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