

TGF- β 2 Polyclonal Antibody

CATALOG #:	5343R-100
AMOUNT:	100 μ g
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Synthetic peptide surrounding amino acid 366 of human TGF- β 2 (Internal ID# BV-D78G)
FORMULATION:	100 μ g (0.5 mg/ml) peptide affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, and 0.01% thimerosal.
SPECIES REACTIVITY:	Human, mouse, rat, pig, bovine, chick, Xenopus
STORAGE CONDITIONS:	Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND:

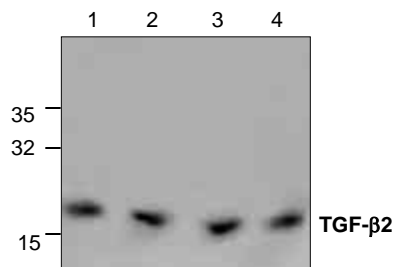
The three mammalian isoforms of TGF-beta (TGF-beta1, TGF-beta2, TGF-beta3) signal through the same receptor and elicit similar biological responses. They are multifunctional cytokines that regulate cell proliferation, growth, differentiation and motility as well as synthesis and deposition of the extracellular matrix. They are involved in various physiological processes including embryogenesis, tissue remodeling and wound healing. They are secreted predominantly as latent complexes which are stored at the cell surface and in the extracellular matrix. The release of biologically active TGF-beta isoform from a latent complex involves proteolytic processing of the complex and/or induction of conformational changes by proteins such as thrombospondin-1. TGF-beta2 has been shown to exert suppressive effects on IL-2 dependent T-cell growth, and may also have an autocrine function in enhancing tumor growth by suppressing immuno-surveillance of tumor development.

SPECIFICITY:

The antibody recognizes ~25kDa TGF- β 2 of human, mouse, and rat origins. Reactivity to other species has not been tested.

APPLICATION:

The antibody can be used in Western blotting (0.5-4 μ g/ml). However, the optimal concentrations should be determined individually. Blocking peptide (Cat.# 5343RBP-50) is available separately.



Cat. #: 5343R-100
Western blot analysis of TGF- β 2 using Jurkat cell lysate (Lane 1,2), Mouse 3T3 cell lysate (Lane 3) and Rat kidney tissue lysate (Lane 4).

RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Bioluminescence Cytotoxicity Assay Kit
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Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies

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