

Product datasheet for **TA388954**

TGFB3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: To detect Human TGF-beta 3 by Western Blot analysis, this antibody can be used at a concentration of 0.1-0.2 µg/ml. When used in conjunction with compatible development reagents, the detection limit for Recombinant Human TGF-beta 3 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Produced from sera of rabbits immunized with highly pure Recombinant Human TGF-beta 3. Anti-Human TGF-beta 3-specific antibody was purified by affinity chromatography and then biotinylated.
Concentration:	lot specific
Purification:	TGF-beta 3-specific antibody was purified by affinity chromatography and then biotinylated
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Database Link:	P10600



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Background:

The three mammalian isoforms of TGF-beta, TGF-beta 1, beta 2, and beta 3, 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 the 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. The physiological role of TGF-beta3 is still unknown, but its expression pattern suggests a role in the regulation of certain development processes. Recombinant Human TGF-beta 3 is a 25.0 kDa protein composed of two identical 112 amino acid polypeptide chains linked by a single disulfide bond.