

# TGF beta 1 Antibody

Rabbit mAb

Catalog # AP91039

## Product Information

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P01137</a>
<b>Reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	CED; diaphyseal dysplasia 1, progressive; DPD1; TGF-beta 1; TGFB1;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	44325

## Additional Information

<b>Dilution</b>	WB 1:500~1:2000
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human TGF beta 1
<b>Description</b>	Multifunctional protein that controls proliferation, differentiation and other functions in many cell types. Many cells synthesize TGFB1 and have specific receptors for it. It positively and negatively regulates many other growth factors. It plays an important role in bone remodeling as it is a potent stimulator of osteoblastic bone formation, causing chemotaxis, proliferation and differentiation in committed osteoblasts.
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

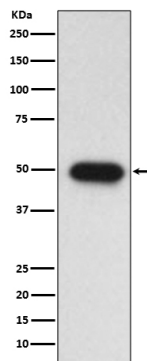
## Protein Information

<b>Name</b>	TGFB1 ( <a href="#">HGNC:11766</a> )
<b>Synonyms</b>	TGFB
<b>Function</b>	Transforming growth factor beta-1 proprotein: Precursor of the Latency-associated peptide (LAP) and Transforming growth factor beta-1 (TGF-beta-1) chains, which constitute the regulatory and active subunit of TGF-beta-1, respectively.
<b>Cellular Location</b>	[Latency-associated peptide]: Secreted, extracellular space, extracellular matrix
<b>Tissue Location</b>	Highly expressed in bone (PubMed:11746498, PubMed:17827158). Abundantly expressed in articular cartilage and chondrocytes and is increased in osteoarthritis (OA) (PubMed:11746498, PubMed:17827158). Colocalizes

with ASPN in chondrocytes within OA lesions of articular cartilage  
(PubMed:17827158)

## Images

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Western blot analysis of TGF beta 1 expression in A549 lysate.

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