

**TGF beta 1 Antibody**  
**Rabbit pAb**  
**Catalog # AP93213****Specification**

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**TGF beta 1 Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P01137</a>
Reactivity	Rat
Clonality	Polyclonal
<b>Other Names</b>	
CED; diaphyseal dysplasia 1, progressive; DPD1; TGF-beta 1; TGFB1;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	44341 Da

**TGF beta 1 Antibody - Additional Information**

Dilution	WB~~1:1000 IHC~~1:100~500
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human TGF beta 1
Description	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.
Storage Condition and Buffer	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.

**TGF beta 1 Antibody - Protein Information****Name** TGFB1 ([HGNC:11766](#))**Synonyms** TGFB**Function**

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.

**Cellular Location**

[Latency-associated peptide]: Secreted, extracellular space, extracellular matrix

**Tissue Location**

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)

**TGF beta 1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**TGF beta 1 Antibody - Images**