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TGF beta 1 Antibody

Rabbit mAb
Catalog # AP91039

Product Information

Application	WB
Primary Accession	P01137
Reactivity	Human
Clonality	Monoclonal
Other Names	CED; diaphyseal dysplasia 1, progressive; DPD1; TGF-beta 1; TGFB1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	44325

Additional Information

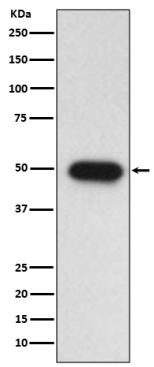
Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human TGF beta 1
Description	Multifunctional protein that controls proliferation, differentiation and other functions in many cell types. Many cells synthesize TGFB1 and have specific receptors 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.

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)

Images



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

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