

Anti-TGF-b1 Antibody (3D9)
Mouse Monoclonal Antibody
Catalog # ABV12069**Specification**

Anti-TGF-b1 Antibody (3D9) - Product Information

Application	WB
Primary Accession	P01137
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1k

Anti-TGF-b1 Antibody (3D9) - Additional Information**Gene ID** 7040

Application & Usage	WB: HepG2 cell lysate
Other Names	
Transforming growth factor beta-1, TGF-beta-1, TGFB	

Target/Specificity
TGF-b1**Antibody Form**
Liquid**Appearance**
Colorless liquid**Formulation**
In phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol and 0.02% sodium azide.**Handling**
The antibody solution should be gently mixed before use.**Reconstitution & Storage**
-20 °C**Background Descriptions****Precautions**
Anti-TGF-b1 Antibody (3D9) is for research use only and not for use in diagnostic or therapeutic procedures.**Anti-TGF-b1 Antibody (3D9) - 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

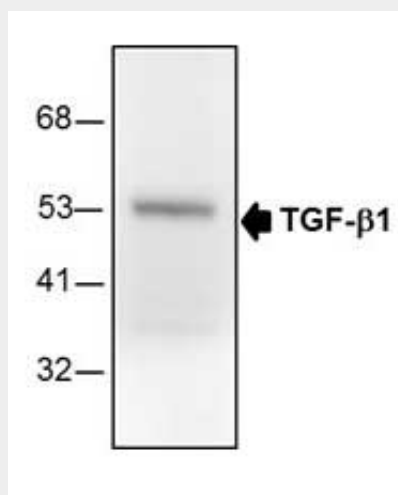
Highly expressed in bone (PubMed:11746498, PubMed:17827158). Abundantly expressed in articular cartilage and chondrocytes and is increased in osteoarthritis (OA) (PubMed:11746498, PubMed:17827158). Colocalizes with ASPN in chondrocytes within OA lesions of articular cartilage (PubMed:17827158)

Anti-TGF-b1 Antibody (3D9) - 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](#)

Anti-TGF-b1 Antibody (3D9) - Images



Western blot analysis of TGF- β 1 in HepG2 cell lysate using IUh-fi* AntiDoay

Anti-TGF-b1 Antibody (3D9) - Background

TGF- β 1 (transforming growth factor-beta) is a 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. It also stimulates sustained production of collagen through the activation of CREB3L1 by regulated intramembrane proteolysis.