BOSTER BIOLOGICAL TECHNOLOGY
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Anti-TGFB1 Antibody

Catalog Number: A00019-1

About TGFB1

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.

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Overview

Product Name	Anti-TGFB1 Antibody
Reactive Species	Human, Rat
Description	Boster Bio Anti-TGFB1 Antibody (Catalog # A00019-1). Tested in WB application(s). This antibody reacts with Human, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P01137

Technical Details

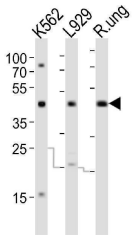
Immunogen	This TGFB1 antibody is generated from a rabbit immunized with a recombinant protein of human TGFB1.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross reactivity with other proteins.

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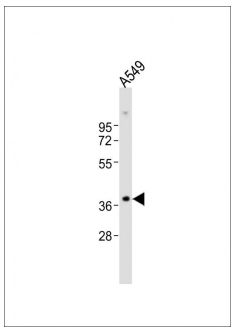
Isotype	Rabbit IgG
Form	Liquid
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	WB: 1:2000

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Anti-TGFB1 Antibody (A00019-1) Images



Western blot analysis of lysates from K562, L929 cell line and rat lung tissue (from left to right), using TGFB1 Antibody. A00019-1 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.



Anti-TGFB1 Antibody at 1:2000 dilution + A549 whole cell lysatesLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 44 kDaBlocking/Dilution buffer: 5% NFDM/TBST.

26 Publications Citing This Product

1. PubMed ID: 32307498, Qi MY,Wang XT,Xu HL,Yang ZL,Cheng Y,Zhou B.Protective effect of ferulic acid on STZ-induced diabetic nephropathy in rats.Food Funct.2020 Apr 1;11(4):3706-3718.doi:10.1039/c9fo02398d.Epub 2020 Apr 20. PMID:32307498.

2. PubMed ID: 32972270, Zhou X,Li Y,Wu C,Yu W,Cheng F.Novel lncRNA XLOC_032768 protects against renal tubular epithelial cells apoptosis in renal ischemia-reperfusion injury by regulating FNDC3B/TGF-beta1.Ren Fail.2020 Nov;42(1):994-1003.doi:10.1080/0 8860 22X.2020.1818579.PMID:329

3. PubMed ID: 26064167, Gong T, Wang Cf, Yuan Jr, Li Y, Gu Jf, Zhao Bj, Zhang L, Jia Xb, Feng L, Liu Sl. Evid Based Complement Alternat Med. 2015;2015:630760. Doi: 10.1155/2015/630760. Epub 2015 May 3. Inhibition Of Tumor Growth And Immunomodulatory Effects Of Flavonoids...

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