




Anti-TGF beta 1 antibody [TB21] ab190503

[30 References](#) [1 图像](#)

概述

产品名称	Anti-TGF beta 1抗体[TB21]
描述	小鼠单克隆抗体[TB21] to TGF beta 1
宿主	Mouse
特异性	ab190503 recognizes both human platelet-derived and recombinant TGF beta1 in enzyme-linked immunosorbent assay (ELISA). Mouse anti-Human TGF beta antibody, clone TB21 demonstrates neutralising activity against TGF beta1 in cell proliferation assays. Mouse anti Human TGF beta antibody, clone TB21 has been demonstrated to react with dimeric (25kD) or monomeric (12.5kD) molecules of natural TGF beta1 under non-reducing and reducing conditions respectively.
经测试应用	适用于: IHC-P
种属反应性	与反应: Human 预测可用于: Horse, Guinea pig, Dog, Pig 
免疫原	Full length native protein (purified) corresponding to Human TGF beta 1 aa 250 to the C-terminus. purified from platelets. Database link: P01137  Run BLAST with  Run BLAST with
阳性对照	Human breast carcinoma and brain tissues.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.09% Sodium azide

	Constituent: 99% PBS
纯度	Protein G purified
克隆	单克隆
克隆编号	TB21
骨髓瘤	Sp2/0-Ag14
同种型	IgG1

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab190503 于以下的经测试应用

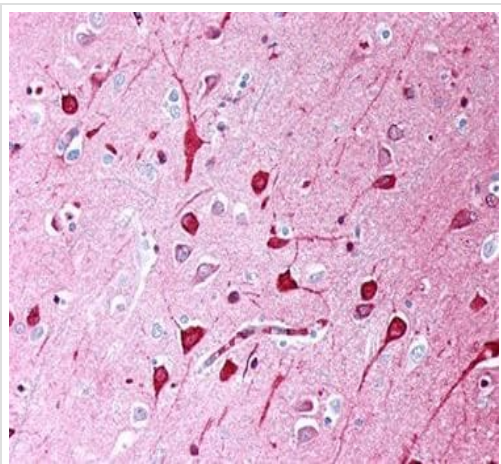
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		Use at an assay dependent concentration. ab190503 has been used successfully on FFPE tissues without pretreatment. Citrate pH6.0, EDTA pH8.0 or pepsin mediated antigen retrieval have also been used.

靶标

功能	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.
组织特异性	Highly expressed in bone. Abundantly expressed in articular cartilage and chondrocytes and is increased in osteoarthritis (OA). Co-localizes with ASPN in chondrocytes within OA lesions of articular cartilage.
疾病相关	Defects in TGFB1 are the cause of Camurati-Engelmann disease (CE) [MIM:131300]; also known as progressive diaphyseal dysplasia 1 (DPD1). CE is an autosomal dominant disorder characterized by hyperostosis and sclerosis of the diaphyses of long bones. The disease typically presents in early childhood with pain, muscular weakness and waddling gait, and in some cases other features such as exophthalmos, facial paralysis, hearing difficulties and loss of vision.
序列相似性	Belongs to the TGF-beta family.
翻译后修饰	Glycosylated. The precursor is cleaved into mature TGF-beta-1 and LAP, which remains non-covalently linked to mature TGF-beta-1 rendering it inactive.
细胞定位	Secreted > extracellular space > extracellular matrix.

图片



Immunohistochemical analysis of Human brain tissue labeling TGF beta with ab190503.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TGF beta 1 antibody [TB21] (ab190503)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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