


### Anti-TGF beta 1 antibody ab9758

★★★★★ [3 Abreviews](#) [59 References](#) [画像数 1](#)

#### 製品の概要

製品名	Anti-TGF beta 1 antibody
製品の詳細	Rabbit polyclonal to TGF beta 1
由来種	Rabbit
特異性	Full length, inactive 44 kD TGFB1 is cleaved into mature TGFB1 (13 kD). TGFB1 also homodimerizes and heterodimerizes with TGFB2, so there is potential for multiple different band sizes in WB.
アプリケーション	<b>適用あり:</b> WB
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Sheep, Rabbit, Horse, Guinea pig, Hamster, Cow, Pig  <b>非交差種:</b> Dog
免疫原	Synthetic peptide corresponding to Human TGF beta 1. Sequence: FSSTEKN-C

 [Run BLAST with](#)

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#### 特記事項

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.

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

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル

## アプリケーション

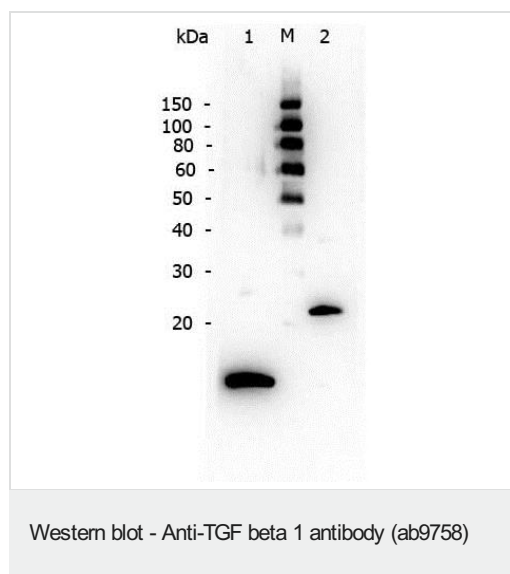
**The Abpromise guarantee** Abpromise保証は、次のテスト済みアプリケーションにおけるab9758の使用に適用されます  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (3)	1/100 - 1/500. In reduced samples, the expected bands are 12 kDa (mature protein) and 44 kDa (unprocessed protein). Expected band at 25 kDa in non-reduced samples (homodimer of mature protein). Glycosylations may also cause unprocessed protein to run a few kDa higher (around 50 kDa). TGFB1 also heterodimerizes with TGFB2, so there is potential for multiple different band sizes in

## ターゲット情報

機能	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.
組織特異性	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.
関連疾患	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.
配列類似性	Belongs to the TGF-beta family.
翻訳後修飾	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.
細胞内局在	Secreted > extracellular space > extracellular matrix.

## 画像



**All lanes :** Anti-TGF beta 1 antibody (ab9758) at 1/200 dilution

**Lane 1 :** Reduced human recombinant TGF beta 1

**Lane 2 :** Non-reduced human recombinant TGF beta 1

Lysates/proteins at 0.25 µg per lane.

#### Secondary

**All lanes :** Peroxidase-conjugated anti-rabbit IgG at 1/40000 dilution

**Observed band size:** 12,25 kDa

Incubated with the primary antibody overnight at 4°C.

Incubated with the secondary antibody for 30 min at room temperature.

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

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