

## anti- TGF-beta 1 antibody

### Product Information

Catalog No.:	FNab08638
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

TGFB, also named as LAP and TGFB1, is a multifunctional peptide that controls proliferation, differentiation, and other functions in many cell types. TGFB acts synergistically with TGFA in inducing transformation. It also acts as a negative autocrine growth factor. Dysregulation of TGFB activation and signaling may result in apoptosis. Many cells synthesize TGFB and almost all of them have specific receptors for it. TGFB 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 is highly expressed in bone. Mutation of TGFB are the cause of Camurati-Engelmann disease(CED) which known as progressive diaphyseal dysplasia 1(DPD1).

### Immunogen information

Immunogen:	transforming growth factor, beta 1
Synonyms:	CED, DPD1, LAP, TGF beta 1, TGFB, TGFB1, TGFbeta, TGF-beta1, TGF-β1
Observed MW:	44 kDa
Uniprot ID :	P01137

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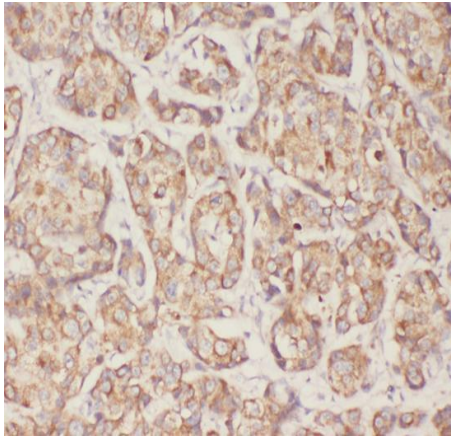
## Application

Reactivity: Human, Mouse, Rat

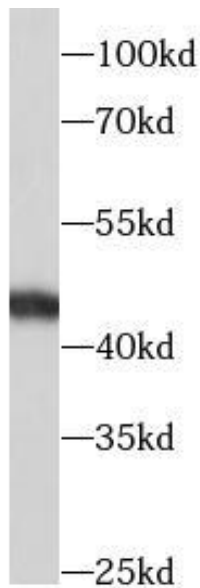
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:200-1:2000; IHC: 1:50-1:500

Image:



Immunohistochemistry of paraffin-embedded human breast cancer tissue slide using FNab08638(TGFβ1 Antibody) at dilution of 1:200



A549 cells were subjected to SDS PAGE followed by western blot with FNab08638(TGFβ1 Antibody) at dilution of 1:600

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