

Datasheet for ABIN3029218

anti-TGFB1 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	0.4 mL
Target:	TGFB1
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TGFB1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This TGFB1 antibody was produced from a rabbit immunized with a recombinant protein of human TGFB1.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	TGFB1
Alternative Name:	TGFB1 (TGFB1 Products)
Background:	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

Target Details

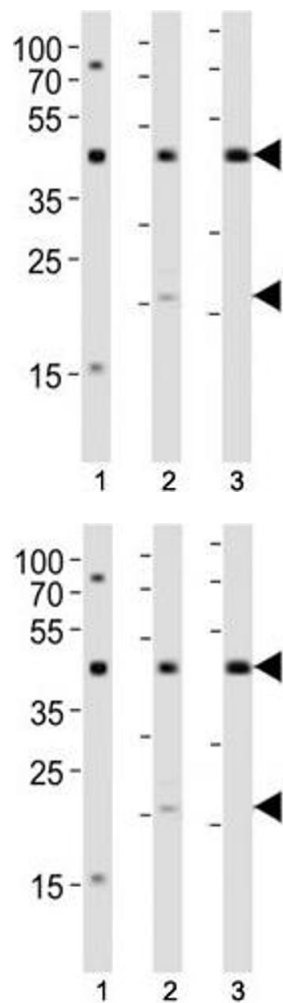
	and differentiation in committed osteoblasts.
UniProt:	P01137
Pathways:	EGFR Signaling Pathway , Dopaminergic Neurogenesis , Cellular Response to Molecule of Bacterial Origin , Glycosaminoglycan Metabolic Process , Regulation of Leukocyte Mediated Immunity , Regulation of Muscle Cell Differentiation , Positive Regulation of Immune Effector Process , Cell-Cell Junction Organization , Production of Molecular Mediator of Immune Response , Ribonucleoside Biosynthetic Process , Skeletal Muscle Fiber Development , Regulation of Carbohydrate Metabolic Process , Protein targeting to Nucleus , Autophagy , Cancer Immune Checkpoints

Application Details

Application Notes:	Titration of the TGFB1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the TGFB1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. Western blot analysis of lysate from (1) K562, (2) L929 cell line and (3) rat lung tissue using TGFB1 antibody diluted at 1:1000. Predicted molecular weight: 44-50 kDa (precursor), ~25 kDa (active form).

Western Blotting

Image 2. Western blot analysis of lysate from (1) K562, (2) L929 cell line and (3) rat lung tissue using TGFB1 antibody diluted at 1:1000. Predicted molecular weight: 44-50 kDa (precursor), ~25 kDa (active form).