antibodies

Datasheet for ABIN2780306 anti-TGFB1 antibody (Middle Region)

9 Images



Overview

Quantity:	100 µL
Target:	TGFB1
Binding Specificity:	Middle Region
Reactivity:	Mouse, Rat, Cow, Pig, Sheep, Guinea Pig, Dog, Horse, Goat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TGFB1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of mouse TGFB1
Sequence:	DTPEWLSFDV TGVVRQWLNQ GDGIQGFRFS AHCSCDSKDN KLHVEINGIS
Predicted Reactivity:	Cow: 79%, Dog: 79%, Goat: 79%, Guinea Pig: 87%, Horse: 79%, Mouse: 100%, Pig: 93%, Rat: 93%, Sheep: 79%
Characteristics:	This is a rabbit polyclonal antibody against TGFB1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	TGFB1

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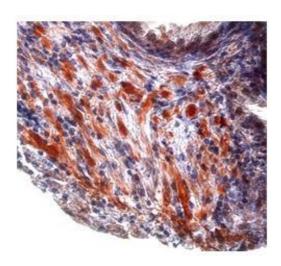
Target Details		
Alternative Name:	TGFB1 (TGFB1 Products)	
Background:	Tgfb1 is a multifunctional protein that control proliferation, differentiation, and other functions in many cell types. Many cells synthesize TGFB1 and essentially all of them have specific receptors for this protein. It regulates the actions of many other growth factors and determines a positive or negative direction of their effects. It plays an important role in bone remodelling. It is a potent stimulator of osteoblastic bone formation, causing chemotaxis, proliferation and differentiation in committed osteoblasts. Alias Symbols: Tgfb, Tgfb-1, TGFbeta1, TGF-beta1 Protein Interaction Partner: Htra1, Nrep, Ltbp3, Col1a1, Tgfbr3, Tgfbr1, Tgfbr2, Smad4, Hdac3, Jun, Protein Size: 390	
Molecular Weight:	43 kDa	
Gene ID:	21803	
NCBI Accession:	NM_011577, NP_035707	
UniProt:	P04202	
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:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 390 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	

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Handling

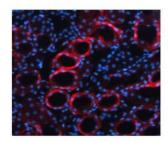
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. rat and mouse

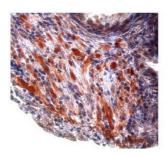


Tgf beta 1 ((ARP37894_P050) Immunofluorescent Tgf beta 1detection in mouse kidney (red fluorescence). Nuclei were stained with DAPI (blue fluorescence).

Suitable for IHC on human cells. Working dilution 5-10 ug/mL

Image 2.

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Tgf beta 1 ((ARP37894_P050) Tgf beta 1 in prostate cancer was detected using HRP/AEC red color stain.

Suitable for IHC on human and mouse tissues. Working dilution 5-10 ug/mL Image 3.

Please check the product details page for more images. Overall 9 images are available for ABIN2780306.