antibodies

# Datasheet for ABIN724685 anti-TGFB1 antibody (AA 351-390)

3 Images

16 Publications



## Overview

Quantity:	100 µL	
Target:	TGFB1	
Binding Specificity:	AA 351-390	
Reactivity:	Human, Mouse, Rat, Sheep, Rabbit	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This TGFB1 antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))	

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TGF-Beta 1	
Isotype:	lgG	
Cross-Reactivity:	Human, Mouse, Rabbit, Rat, Sheep	
Predicted Reactivity:	Dog,Cow,Pig,Guinea Pig	
Purification:	Purified by Protein A.	
Target Details		

Target:

## TGFB1

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN724685 | 03/06/2024 | Copyright antibodies-online. All rights reserved.

Target Details		
Alternative Name:	TGF beta 1 (TGFB1 Products)	
Background:	Synonyms: CED, DPD1, TGFB, TGFbeta, Transforming growth factor beta-1, TGF-beta-1, TGFB1 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 and differentiation in committed osteoblasts.	
Molecular Weight:	12.8kDa	
Gene ID:	7040	
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	

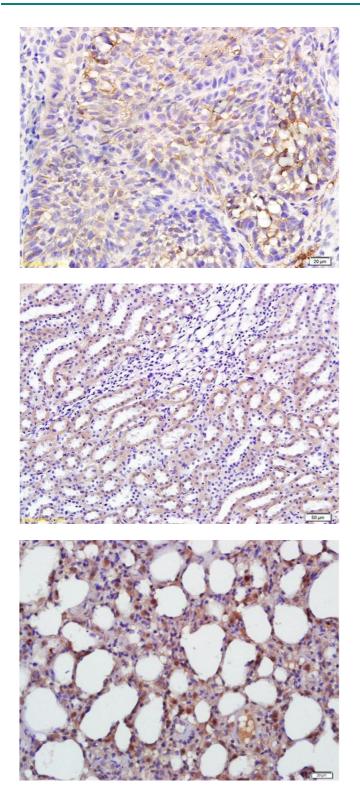
# Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 µg/µL

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN724685 | 03/06/2024 | Copyright antibodies-online. All rights reserved.

i I	•
land	lina
าสเบเ	
iuiiu	шıч

0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.	
ProClin	
This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should handled by trained staff only.	
4 °C,-20 °C	
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.	
12 months	
Shang, Liu, Liu, Li, Dou, Zhang, Sun, Zhang, Zhu, Mu, Ding, Wen: "Telmisartan improves vascula	
remodeling through ameliorating prooxidant and profibrotic mechanisms in hypertension via	
the involvement of transforming growth factor- $\beta$ 1." in: <b>Molecular medicine reports</b> , Vol. 16,	
Issue 4, pp. 4537-4544, (2018) (PubMed).	
Mao, Zhang, Qi, Jiang, Wu, Lu, Ainiwaer, Shang, Xu, Hao, Shou, Li, Li, Zhang, Bao, Wen: "Efficacy	
of radiotherapy for the treatment of cystic echinococcosis in naturally infected sheep." in:	
Infectious diseases of poverty, Vol. 6, Issue 1, pp. 88, (2017) (PubMed).	
Shen, Wu, Wang, Zhao, Zhang, Li, Zhao: "Chloroquine attenuates paraquat-induced lung injury in	
mice by altering inflammation, oxidative stress and fibrosis." in: International	
immunopharmacology, Vol. 46, pp. 16-22, (2017) (PubMed).	
Eren, Turgut, Akin, Demir: "The Suppression of Wound Healing Response with Sirolimus and	
Sunitinib Following Experimental Trabeculectomy in a Rabbit Model." in: Current eye research,	
Vol. 41, Issue 3, pp. 367-76, (2016) (PubMed).	
Xue, Chen, Zhao, Zhao, Duan, Zheng: "The Overexpression of TGF- $eta$ and CCN2 in Intrauterine	
Adhesions Involves the NF-ĸB Signaling Pathway." in: <b>PLoS ONE</b> , Vol. 10, Issue 12, pp.	
e0146159, (2016) (PubMed).	



#### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded human flat moss tinea labeled with Anti-TGF-beta-1 Polyclonal Antibody, Unconjugated (ABIN724685) 1:200 followed by conjugation to the secondary antibody and DAB staining

### Immunohistochemistry

**Image 2.** Formalin-fixed and paraffin embedded rat renal tissue labeled with Anti-TGF-beta-1 Polyclonal Antibody, Unconjugated (ABIN724685) 1:200 followed by conjugation to the secondary antibody and DAB staining

#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Paraformaldehyde-fixed, paraffin embedded Rat Lung Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes Blocking buffer (normal goat serum) at 37°C for 30min Antibody incubation with TGF beta 1 Polyclonal Antibody, Unconjugated at 1:500 overnight at 4°C, DAB staining.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 4/4 | Product datasheet for ABIN724685 | 03/06/2024 | Copyright antibodies-online. All rights reserved.