Nur für Forschungszwecke

TGFBI / BIGH3 Polyklonaler Antikörper

proteintech®
Antibodies | ELISA kits | Proteins
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Katalog-Nr.:10188-1-AP Vorgestelltes Produkt 60 Publikationen

Allgemeine Informationen

Katalog-Nr.:
10188-1-AP

Größe:
150ul , Konzentration: 550 μg/ml von Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG0241

GenBank-Zugangsnummer:
BC000097

GeneID (NCBI):
7045

Vollständiger Name:
transforming growth factor, beta-induced, 68kDa

Berechneté Masse:
683 aa, 75 kDa

Beobachteté Masse:
64 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:1000-1:4000
IP 0.5-4.0 ug für IP und 1:200-1:1000 für WB
IHC 1:50-1:500
IF 1:200-1:800

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
IF, IHC, IP, Neutralization, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : Maus-Augengewebe, HeLa-Zellen, humanes Nierengewebe, Mauslebergewebe, Y79-Zellen

IP : HeLa-Zellen,

IHC : humanes Nierengewebe, humanes Leberkarzinomgewebe, Maus-Augengewebe

IF : mit TGF-beta-1 behandelte A549-Zellen,

Hintergrundinformationen

TGFBI, also named as BIGH3, Kerato-epithelin and RGD-CAP, binds to type I, II, and IV collagens. TGFBI is an adhesion protein which may play an important role in cell-collagen interactions. In cartilage, it may be involved in endochondral bone formation. TGFBI is an extracellular matrix adaptor protein, it has been reported to be differentially expressed in transformed tissues. TGFBI is a predictive factor of the response to chemotherapy, and suggest the use of TGFBI-derived peptides as possible therapeutic adjuvants for the enhancement of responses to chemotherapy.(PMID:20509890) Defects in TGFBI are the cause of epithelial basement membrane corneal dystrophy (EBMD). Defects in TGFBI are the cause of corneal dystrophy Groenouw type 1 (CDGG1). Defects in TGFBI are the cause of corneal dystrophy lattice type 1 (CDL1). Defects in TGFBI are a cause of corneal dystrophy Thiel-Behnke type (CDTB). Defects in TGFBI are the cause of Reis-Buecklers corneal dystrophy (CDRB). Defects in TGFBI are the cause of lattice corneal dystrophy type 3A (CDL3A). Defects in TGFBI are the cause of Avellino corneal dystrophy (ACD).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Nobuhiro Nakazawa	31571056	Ann Surg Oncol	IHC
Nathalie Allaman-Pillet	26387839	Exp Eye Res	WB, IF
Taku Sato	30156359	Cancer Sci	WB,IHC

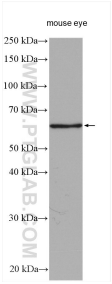
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

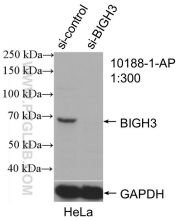
***** 20ul-Größen enthalten 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

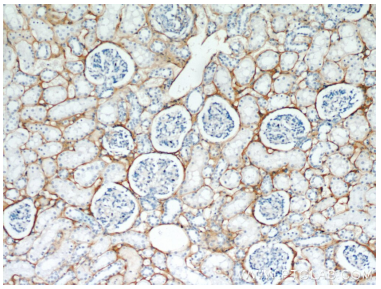
Ausgewählte Validierungsdaten



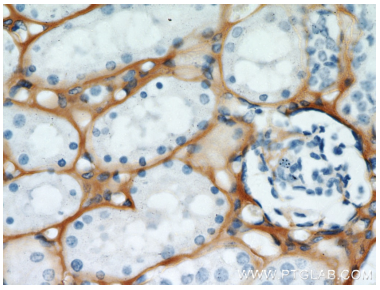
Mouse eye tissue were subjected to SDS PAGE followed by western blot with 10188-1-AP (TGFBI / BIGH3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



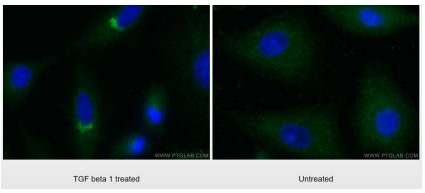
WB result of TGFBI / BIGH3 antibody (10188-1-AP; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-TGFBI / BIGH3 transfected HeLa cells.



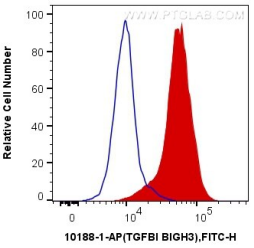
Immunohistochemical analysis of paraffin-embedded human kidney using 10188-1-AP (TGFBI / BIGH3 antibody) at dilution of 1:100 (under 10x lens).



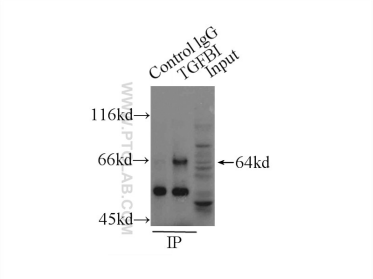
Immunohistochemical analysis of paraffin-embedded human kidney using 10188-1-AP (TGFBI / BIGH3 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells, untreated (left) or TGF-β-treated (right), using TGFBI / BIGH3 antibody (10188-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10^6 Y79 cells were intracellularly stained with 0.4 ug Anti-Human TGFBI / BIGH3 (10188-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



IP Result of anti-TGFBI / BIGH3 (IP:10188-1-AP, 3ug; Detection:10188-1-AP 1:300) with HeLa cells lysate 1000ug.