For Research Use Only

TGFBI/BIGH3 Polyclonal antibody, PBS Only

Catalog Number:10188-1-PBS Featured Product

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
10188-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0241

GenBank Accession Number:
BC000097

GeneID (NCBI):
7045

ENSEMBL Gene ID:
ENSG00000120708

UNIPROT ID:
Q15582

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

Calculated MW:
683 aa, 75 kDa

Observed MW:
64 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
WB, IHC, IF/ICC, FC (Intra), IP, Indirect ELISA

Species Specificity:
human, mouse

Background Information

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).

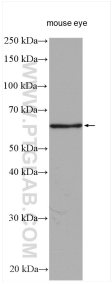
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

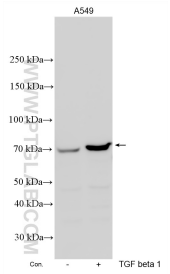
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

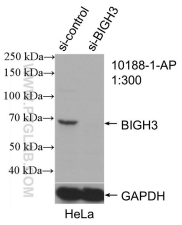
Selected Validation Data



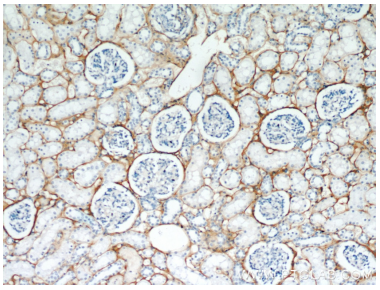
Mouse eye tissue were subjected to SDS PAGE followed by western blot with 10188-1-AP (TGFBI / BIGH3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 10188-1-PBS in a different storage buffer formulation.



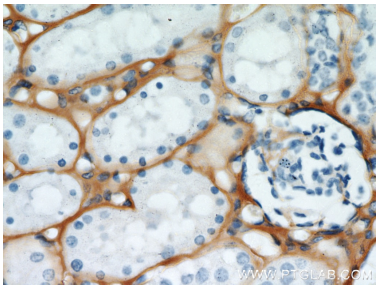
Untreated A549 cells and TGF beta 1 treated A549 cells were subjected to SDS PAGE followed by western blot with 10188-1-AP (TGFBI/BIGH3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 10188-1-PBS in a different storage buffer formulation.



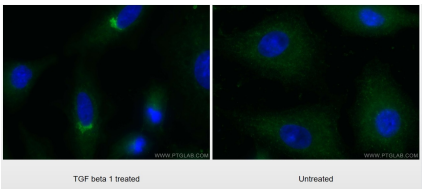
WB result of TGFBI / BIGH3 antibody (10188-1-AP; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-TGFBI / BIGH3 transfected HeLa cells. This data was developed using the same antibody clone with 10188-1-PBS in a different storage buffer formulation.



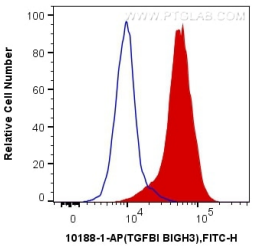
Immunohistochemical analysis of paraffin-embedded human kidney using 10188-1-AP (TGFBI / BIGH3 antibody) at dilution of 1:100 (under 10x lens). This data was developed using the same antibody clone with 10188-1-PBS in a different storage buffer formulation.



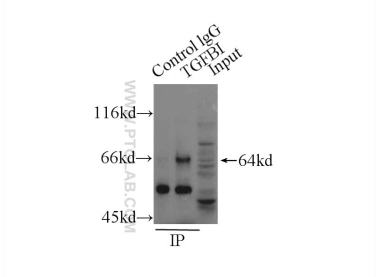
Immunohistochemical analysis of paraffin-embedded human kidney using 10188-1-AP (TGFBI / BIGH3 antibody) at dilution of 1:100 (under 40x lens). This data was developed using the same antibody clone with 10188-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 10188-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 10188-1-PBS in a different storage buffer formulation.



IP result of anti-TGFBI / BIGH3 (IP:10188-1-AP, 3ug; Detection:10188-1-AP 1:300) with HeLa cells lysate 1000ug. This data was developed using the same antibody clone with 10188-1-PBS in a different storage buffer formulation.