For Research Use Only

TGFBI/BIGH3 Recombinant antibody, PBS Only

Catalog Number:80805-4-PBS

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Basic Information

Catalog Number:
80805-4-PBS

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG1233

GenBank Accession Number:
NM_000358.3

GeneID (NCBI):
7045

ENSEMBL Gene ID:
ENSG00000120708

UNIPROT ID:
Q15582

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

Calculated MW:
75kDa

Observed MW:
68 kDa

Purification Method:
Protein A purification

CloneNo.:
243108F7

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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
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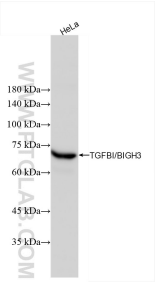
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 80805-4-RR (beta IG-H3/TGFBI antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 80805-4-PBS in a different storage buffer formulation.