

For Research Use Only

# TGFBI/BIGH3 Recombinant antibody

Catalog Number: 80805-4-RR



## Basic Information

Catalog Number: 80805-4-RR	GenBank Accession Number: NM_000358.3	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 7045	CloneNo.: 243108F7
Source: Rabbit	ENSEMBL Gene ID: ENSG00000120708	Recommended Dilutions: WB: 1:2000-1:10000
Isotype: IgG	UNIPROT ID: Q15582	
Immunogen Catalog Number: EG1233	Full Name: transforming growth factor, beta-induced, 68kDa	
	Calculated MW: 75kDa	
	Observed MW: 68 kDa	

## Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, A549 cells
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 (CTDB). Defects in TGFBI are the cause of Reis-Buecklers corneal dystrophy (CTRB). 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 -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

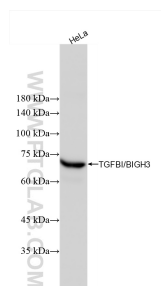
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

## 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.