Datasheet for ABIN7245623

anti-TGFBI antibody

2 Images

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Overview

Quantity:	200 µL
Target:	TGFBI
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TGFBI antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Fusion protein of human TGFBI
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Antigen affinity purification

Target Details

Target:	TGFBI
Alternative Name:	TGFBI (TGFBI Products)
Background:	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.

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Target Details

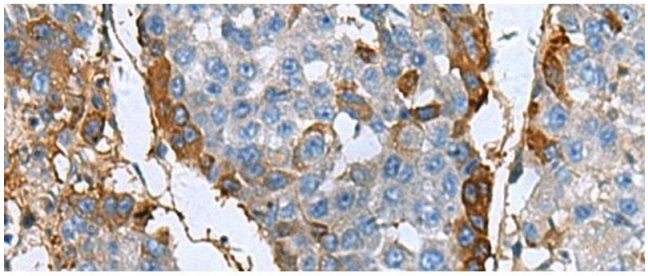
	TGFBI is a predictive factor of the response to chemotherapy,and suggest the use of TGFBI-derived peptides as possible therapeutic adjuvants for the enhancement of responses to chemotherapy. Defects in TGFBI are the cause of epithelial basement membrane corneal dystrophy (EBMD). Defects in TGFBI are 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).
Molecular Weight:	Observed_MW: Refer to figures Calculated_MW: 75 kDa
UniProt:	Q15582

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, ELISA 1:5000-1:10000
Restrictions:	For Research Use only

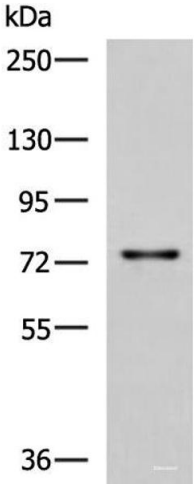
Handling

Format:	Liquid
Concentration:	1.02 mg/mL
Buffer:	PBS with 0.05 % Sodium azide and 40 % Glycerol, pH 7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TGFBI Polyclonal Antibody at dilution of 1:60(x200)



Western Blotting

Image 2. Western blot analysis of Rat liver tissue lysate using TGFBI Polyclonal Antibody at dilution of 1:850

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