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TGFBI Antibody

Rabbit mAb
Catalog # AP90062

Product Information

Application	WB, IHC, IF, ICC, IHF
Primary Accession	Q15582
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Beta ig; Beta ig h3; Beta ig-h3; BGH3_HUMAN; Big h3; BIGH3; CDB1; CDG2; CDGG1; CSD; CSD1; CSD2; CSD3; EBMD; Kerato epithelin; Kerato-epithelin; LCD1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	74681

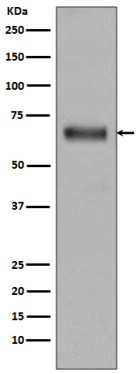
Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human TGFBI
Description	TGFBI is a RGD-containing protein that binds to type I, II and IV collagens. The RGD motif is found in many extracellular matrix proteins modulating cell adhesion and serves as a ligand recognition sequence for several integrins. TGFBI plays a role in cell-collagen interactions and may be involved in endochondrial bone formation in cartilage. TGFBI is induced by transforming growth factor-beta and acts to inhibit cell adhesion.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	TGFBI
Synonyms	BIGH3
Function	Plays a role in cell adhesion (PubMed: 8024701). May play a role in cell-collagen interactions (By similarity).
Cellular Location	Secreted. Secreted, extracellular space, extracellular matrix Note=May be associated both with microfibrils and with the cell surface (PubMed:8077289).
Tissue Location	Highly expressed in the corneal epithelium (PubMed:27609313, PubMed:8077289). Expressed in heart, placenta, lung, liver, skeletal muscle, kidney and pancreas (PubMed:8077289)

Images



Western blot analysis of TGFBI expression in Human fetal kidney lysate.

Image not found : 202311/AP90062-IHC.jpg

Immunohistochemical analysis of paraffin-embedded human kideny, using TGFBI Antibody.

Image not found : 202311/AP90062-IF.jpg

Immunofluorescent analysis of MCF-7 cells, using TGFBI Antibody .

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Overexpression of the 14-3-3γ protein in uterine leiomyoma cells results in growth retardation and increased apoptosis. -Cellular Signalling