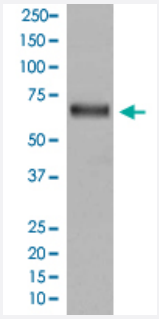
TGFBI monoclonal antibody, clone DI-20

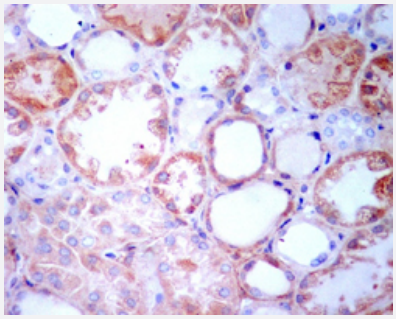
Catalog # MAB20777 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western Blot analysis of human fetal kidney tissue lysate with TGFBI monoclonal antibody, clone DI-20 (Cat # MAB20777).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with TGFBI monoclonal antibody, clone DI-20 (Cat # MAB20777).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human TGFBI.
Immunogen	A synthetic peptide corresponding to human TGFBI.
Host	Rabbit
Theoretical MW (kDa)	74.681
Reactivity	Human
Form	Liquid
Purification	Affinity purification

Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

  Western Blot analysis of human fetal kidney tissue lysate with TGFBI monoclonal antibody, clone DI-20 (Cat # MAB20777).

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- Immunocytochemistry

- Immunofluorescence

Gene Info — TGFBI

Entrez GeneID	7045
Protein Accession#	Q15582
Gene Name	TGFBI
Gene Alias	BIGH3, CDB1, CDG2, CDGG1, CSD, CSD1, CSD2, CSD3, EBMD, LCD1
Gene Description	transforming growth factor, beta-induced, 68kDa
Omim ID	121820 121900 122200 601692 602082 607541 608470 608471
Gene Ontology	Hyperlink

Gene Summary	This gene encodes an 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. This protein plays a role in cell-collagen interactions and may be involved in endochondrial bone formation in cartilage. The protein is induced by transforming growth factor-beta and acts to inhibit cell adhesion. Mutations in this gene are associated with multiple types of corneal dystrophy. [provided by RefSeq
Other Designations	RGD-containing collagen-associated protein|kerato-epithelin

Disease

- Cardiovascular Diseases
- Corneal Dystrophies
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease