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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB09795 - Goat Anti-TGFBI Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: BIGH3, CDB1, CDG2, CDGG1, CSD, CSD1, CSD2, CSD3, EBMD, kerato-epithelin, LCD1, RGD-containing collagen-associated protein, transforming growth factor, beta-induced, 68kDa, TGFBI

Official Symbol: TGFBI

Accession Number(s): NP_000349.1

Human GeneID(s): [7045](#)

Non-Human GeneID(s): 21810 (mouse), 24511 (rat)

Immunogen

Peptide with sequence C-QLYTDRTEKLRPE, from the internal region of the protein sequence according to NP_000349.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx 70kDa band observed in Human and Rat Kidney lysates, and approx 75kDa in Human Prostate and Human Colorectal cancer lysates (calculated MW of 74.7kDa according to Human NP_000349.1 and 74.8kDa according to Rat NP_446254.1). Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.

IHC: In paraffin embedded Kidney shows staining of intercalated cells of a collecting tubule. Recommended concentration: 4-6µg/ml. This antibody has been successfully used in IHC on Rat, PMID: 26407577.

Immunofluorescence: Strong expression of the protein seen in the golgi and plasma membrane of HeLa cells. Recommended concentration: 10µg/ml.

Species Reactivity

Tested: Human, Rat

Expected from sequence similarity: Human, Mouse, Rat, Dog

Specific Reference

This antibody has been successfully used in IHC on Rat:

Dan Ding, Yimei Du, Zhihua Qiu, Sen Yan, Fen Chen, Min Wang, Shijun Yang, Yanzhao Zhou, Xiajun Hu, Yihuan Deng, Shijia Wang, Liangping Wang, Hongrong Zhang, Hailang Wu, Xian Yu, Zihua Zhou, Yuhua Liao & Xiao Chen.

Vaccination against type 1 angiotensin receptor prevents streptozotocin-induced diabetic nephropathy.

J Mol Med (Berl). 2016 Feb;94(2):207-18

PMID: 26407577

EB09795 (0.3µg/ml) staining of Human Kidney (A), Colorectal cancer (B), (0.1ug/ml) Human Prostate (C) and Rat Kidney (D) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB09795 (3.8µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

EB09795 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing golgi and membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).