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

EB11053 - Goat Anti-TGFBR1 (aa50-63) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: TGFBR1, transforming growth factor, beta receptor 1, AAT5, ACVRLK4, ALK-5, ALK5, LDS1A, LDS2A, SKR4, TGFR-1, TGF-beta receptor type I, TGF-beta receptor type-1, TGF-beta type I receptor, activin A receptor type II-like kinase, 53kD, activin A receptor type II-like kinase, 53kDa, activin receptor-like kinase 5, serine/threonine-protein kinase receptor R4, tbetaR-I, transforming growth factor beta receptor I, transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kD), transforming growth factor-beta receptor type I, AAT5, activin A receptor type II-like kinase, 53kD, activin A receptor type II-like kinase, 53kDa, activin receptor-like kinase 5, ACVRLK4, ALK5, ALK-5, LDS1A, LDS2A, serine/threonine-protein kinase receptor R4, SKR4, tbetaR-I, TGF-beta receptor type I, TGF-beta receptor type-1, TGF-beta type I receptor, TGFR-1, transforming growth factor beta receptor I, transforming growth factor, beta receptor 1, transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kD), transforming growth factor-beta receptor type I, TGFBR1

Official Symbol: TGFBR1

Accession Number(s): NP_004603.1; NP_001124388.1

Human GeneID(s): [7046](#)

Non-Human GeneID(s): 21812 (mouse), 29591 (rat)

Important Comments: This antibody is expected to recognize both reported isoforms (NP_004603.1; NP_001124388.1). The immunizing peptide represents part of a potential extracellular domain.

Immunogen

Peptide with sequence TDGLCFVSVTETTD, from the internal region of the protein sequence according to NP_004603.1; NP_001124388.1.

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 1:64000.

Western blot: Approx 55kDa band observed in Rat Liver lysates (calculated MW of 55.6kDa according to Rat NP_036907.2). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.

IHC: Paraffin embedded Human Adrenal Gland. Recommended concentration: 5µg/ml.

Species Reactivity

Tested: Human, Rat

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

EB11053 (0.1µg/ml) staining of Rat Liver lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB11053 (5µg/ml) staining of paraffin embedded Human Adrenal Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.