

Goat anti-TGFR1 (aa50-63) Antibody

Item Number	dAP-2460
Target Molecule	Principle Name: TGFR1 (aa50-63); Official Symbol: TGFR1; All Names and Symbols: TGFR1; 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 typ; Accession Number (s): NP_004603.1; NP_001124388.1; Human Gene ID(s): 7046; Non-Human GeneID(s): 21812 (mouse) 29591 (rat)
Immunogen	TDGLCFVSVTETTD, is from internal region 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.
Applications	Pep ELISA, WB, IHC Species Tested: Rat, Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	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.
IHC	Immunohistochemistry: Paraffin embedded Human Adrenal Gland. Recommended concentration: 5µg/ml.
Reference	Reference(s): Yu N, Kozlowski JM, Park II, Chen L, Zhang Q, Xu D, Doll JA, Crawford SE, Brendler CB, Lee C. Overexpression of transforming growth factor β 1 in malignant prostate cells is partly caused by a runaway of TGF- β 1 auto induction mediated through a defective recruitment of protein phosphatase 2A by

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**