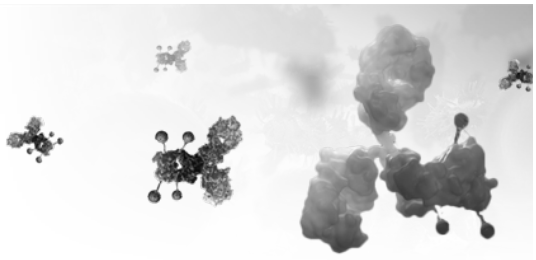

Anti-TGFBR1 (aa 50-63) polyclonal antibody (DPABH-14665)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Receptor for TGF-beta.
Specificity	DPABH-14665 is expected to recognize both reported isoforms (NP_004603.1; NP_001124388.1). The immunizing peptide represents part of a potential extracellular domain.
Immunogen	Synthetic peptide: TDGLCFVSVTETTD, corresponding to internal sequence amino acids 50-63 of Human TGF beta Receptor I (NP_004603.1; NP_001124388.1.
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse, Rat
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Size	200 µl
Buffer	pH: 7.30; Constituents: 99% Tris buffered saline, 0.5% BSA
Preservative	0.02% Sodium Azide

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	TGFBR1 transforming growth factor, beta receptor 2 [Homo sapiens]
Official Symbol	TGFBR1
Synonyms	TGFBR1; transforming growth factor, beta receptor 1; AAT5; ALK5; ESS1; LDS1; MSSE; SKR4; ALK-5; LDS1A; LDS2A; TGFR-1; ACVRLK4; TGF-beta receptor type-1; tbetaR-I; TGF-beta receptor type I; TGF-beta type I receptor; activin receptor-like kinase 5; multiple self-healing squamous epithelioma; transforming growth factor beta receptor I; serine/threonine-protein kinase receptor R4; activin A receptor type II-like kinase, 53kD; activin A receptor type II-like kinase, 53kDa; transforming growth factor-beta receptor type I; activin A receptor type II-like protein kinase of 53kD; transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kD);
Entrez Gene ID	7046
Protein Refseq	NP_001124388.1
UniProt ID	P36897
Pathway	ALK1 signaling events; Adherens junction; Chagas disease (American trypanosomiasis); Chronic myeloid leukemia
Function	ATP binding; I-SMAD binding; SMAD binding; SMAD binding

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