



Anti-TGFR2 (aa 62-165) polyclonal antibody (DPAB-DC3061)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the Ser/Thr protein kinase family and the TGFR receptor subfamily. The encoded protein is a transmembrane protein that has a protein kinase domain, forms a heterodimeric complex with another receptor protein, and binds TGF-beta. This receptor/ligand complex phosphorylates proteins, which then enter the nucleus and regulate the transcription of a subset of genes related to cell proliferation. Mutations in this gene have been associated with Marfan Syndrome, Loeys-Deitz Aortic Aneurysm Syndrome, and the development of various types of tumors. Alternatively spliced transcript variants encoding different isoforms have been characterized.
Immunogen	TGFR2 (NP_001020018, 62 a.a. ~ 165 a.a) partial recombinant protein with GST tag. The sequence is IVTDNNGAVKFPQLCKFCDVRFSTCDNQKSCMSNCSITSICEKPQEVCAVVRKNDENIT LETVCHDPKLPYHDFILEDAAASPKCIMKEKKKPGETFFMCSCSS
Source/Host	Mouse
Species Reactivity	Human, Mouse
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	TGFBFR2 transforming growth factor, beta receptor II (70/80kDa) [Homo sapiens (human)]
Official Symbol	TGFBFR2
Synonyms	TGFBFR2; transforming growth factor, beta receptor II (70/80kDa); AAT3; FAA3; LDS2; MFS2; RIIC; LDS1B; LDS2B; TAAD2; TGFR-2; TGFbeta-RII; TGF-beta receptor type-2; tbetaR-II; TGF-beta type II receptor; TGF-beta receptor type IIB; transforming growth factor beta receptor type IIC; transforming growth factor, beta receptor II beta; transforming growth factor, beta receptor II alpha; transforming growth factor, beta receptor II delta; transforming growth factor, beta receptor II gamma; transforming growth factor, beta receptor II epsilon;
Entrez Gene ID	7048
Protein Refseq	NP_001020018
UniProt ID	D2JYI1
Chromosome Location	3p22
Pathway	ALK1 signaling events; Adherens junction; Chagas disease (American trypanosomiasis); Chronic myeloid leukemia
Function	ATP binding; SMAD binding; glycosaminoglycan binding; metal ion binding