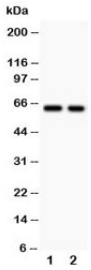
TGFBR2 Antibody (R30965)

Catalog No.	Formulation	Size
R30965	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P37173
Applications	Western blot: 0.5-1ug/ml
Limitations	This TGFBR2 antibody is available for research use only.



Western blot testing of TGFBR2 antibody and Lane 1: HEPG2; 2: COLO320. Expected molecular weight ~65 kDa, routinely observed at 65-80 kDa.

Description

Transforming growth factor, beta receptor II, also known as TGFBR2 and TGFR-2, is a member of the Ser/Thr protein kinase family and the TGFB receptor subfamily. A TGFBR2 cDNA encoding a deduced 565-amino acid protein with a calculated molecular mass of approximately 65 kD in length. 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 withMarfan syndrome,Loeys-Deitz aortic aneurysm syndrome,Osler-Weber-Rendu syndrome, and the development of various types of tumors. Alternatively

spliced transcript variants encoding different isoforms have been characterized. TGFBR2 may be a target of the EWS-FLI1 fusion protein found in Ewing sarcoma and related peripheral primitive neuroectodermal tumors.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the TGFBR2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human TGF beta Receptor II (KGNLQEYLTRHVISWED) was used as the immunogen for this TGFBR2 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the TGFBR2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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