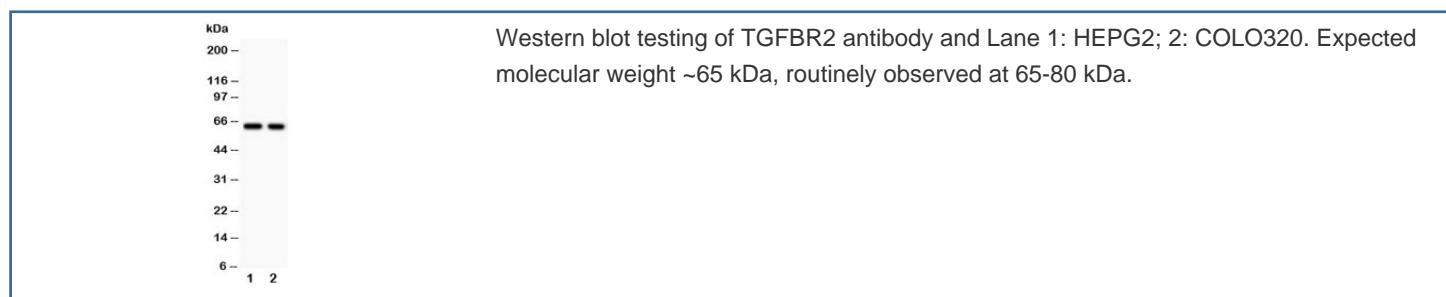


## TGFBR2 Antibody (R30965)

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

**Bulk quote request**

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



### 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 with Marfan syndrome, Loeys-Dietz 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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.