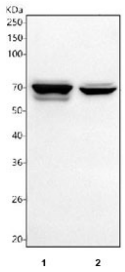
TGF beta Receptor II Antibody (R32086)

Catalog No.	Formulation	Size
R32086	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P37173
Applications	Western blot: 0.5-1ug/ml
Limitations	This TGF beta Receptor II antibody is available for research use only.



Western blot testing of human 1) HepG2 and 2) A549 cell lysate with TGF beta Receptor II antibody. Expected molecular weight ~65 kDa, routinely observed at 65-80 kDa.

Description

TGFBR2 (Transforming growth factor, beta receptor II) is a member of the Ser/Thr protein kinase family and the TGFB receptor subfamily. It 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, Osler-Weber-Rendu syndrome, and the development of various types of tumors. Alternatively spliced transcript variants encoding different informs have been characterized.

Application Notes

Optimal dilution of the TGF beta Receptor II antibody should be determined by the researcher.

Immunogen

Amino acids TLETVCHDPKLPYHDFILEDAASPKCIMKEKKK of human TGFBR2 were used as the immunogen for the TGF beta Receptor II antibody.

Storage

After reconstitution, the TGF beta Receptor II 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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