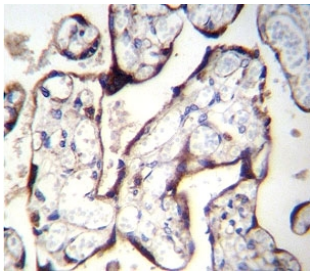
TGFBR2 Antibody (F41742)

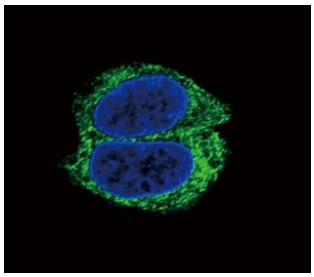
Catalog No.	Formulation	Size
F41742-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F41742-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

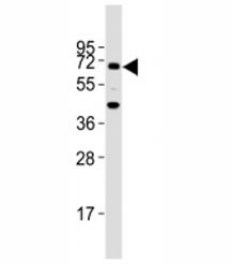
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P37173
Applications	Western blot: 1:1000-2000 IHC (Paraffin): 1:10-1:50 Immunofluorescence: 1:10-1:50
Limitations	This TGFBR2 antibody is available for research use only.



TGFBR2 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue.



Confocal immunofluorescent analysis of TGFBR2 antibody with HepG2 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).



Western blot testing of TGFBR2 antibody at 1:2000 dilution + mouse lung lysate; Expected molecular weight ~65 kDa, routinely observed at 65-80 kDa.

Description

This gene encodes a member of the Ser/Thr protein kinase family and the TGFB 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.

Application Notes

Titration of the TGFBR2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 13-40 from the human protein was used as the immunogen for this TGFBR2 antibody.

Storage

Aliquot the TGFBR2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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