

## Basic Information

<b>Product Name</b>	Anti-TGFBR2 Antibody (Clone#OTI3B4)
<b>Gene Name</b>	TGFBR2
<b>Source</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2a
<b>Species Reactivity</b>	human, mouse, rat
<b>Tested Application</b>	IHC, WB
<b>Contents</b>	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Immunogen</b>	Human recombinant protein fragment corresponding to amino acids 23-294 of human TGFBR2(NP_003233) produced in E.coli.
<b>Concentration</b>	500 ug/ml
<b>Purification</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Observed MW</b>	62 kDa
<b>Dilution Ratios</b>	Western blot (WB): 1:2000 Immunohistochemistry (IHC):1:2000

## Storage

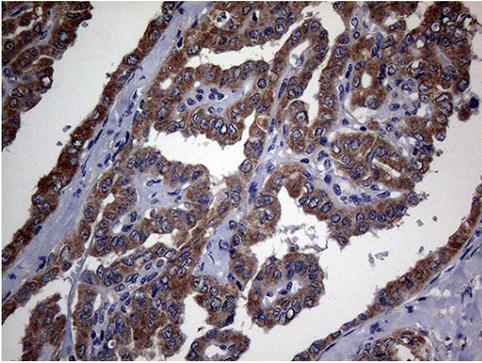
Stable for 12 months from date of receipt. Store at -20°C as received.

## Background Information

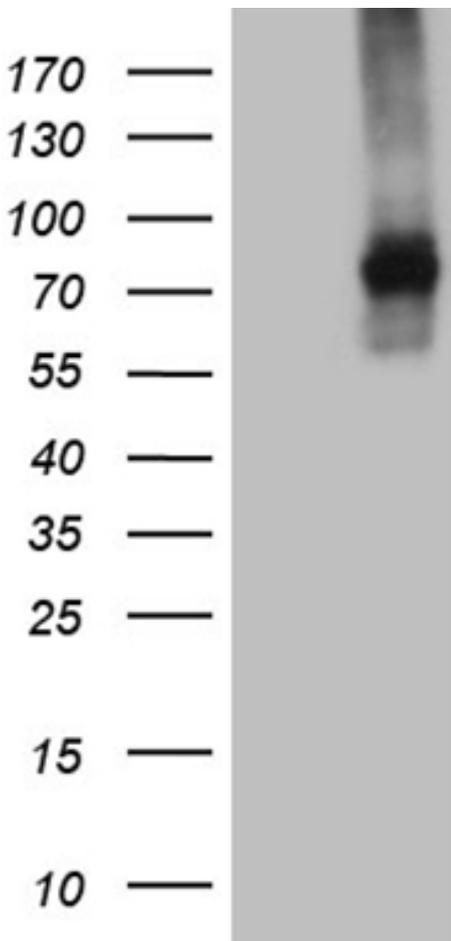
This gene encodes a member of the Ser/Thr protein kinase family and the TGFB receptor subfamily. The encoded protein is a transmembrane protein that has a protein kinase domain, forms a heterodimeric complex with another receptor protein, and binds TGF-beta. This receptor/ligand complex phosphorylates 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. [provided by RefSeq, Jul 2008]

## Selected Validation Data

Product datasheet  
**Anti-TGFBR2 Antibody**  
**(Clone#OTI3B4)**  
**Catalog Number: M00759-3**



Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-TGFBR2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, M00759-3) (1:2000)



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY TGFBR2 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TGFBR2 (Cat# M00759-3)(1:2000).