

<b>Product name:</b>	TGF beta2 R
<b>Cat number:</b>	AB-81574
<b>Size:</b>	100 ug
<b>Clone:</b>	POLY
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rb
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 23-280 of human TGFBR2.
<b>Reactivity:</b>	Hu, Ms, Rt
<b>Applications:</b>	Western Blot: 1:500 -1:2000 Immunohistochemistry: 1:50 - 1:200 Immunofluorescence: 1:50 - 1:200
<b>Molecular Weight:</b>	75kDa
<b>Purification:</b>	Aff. Pur.
<b>Form:</b>	Liquid
<b>Background:</b>	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.



Western blot analysis of extracts of various cell lines, using TGFBR2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti- Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL West Pico Plus. Exposure time: 3s.



Immunohistochemistry of paraffin embedded human appendix using TGFBR2 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin embedded human breast cancer using TGFBR2 antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of  
NIH/3T3 cells using TGFBR2  
antibody at dilution of 1:100. Blue:  
DAPI for nuclear staining.