

Cat. No:	AB-81574
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 23-280 of human TGFBR2.
Reactivity:	Hu, Ms, Rt
Applications:	Western Blot: 1:500 -1:2000 Immunohistochemistry: 1:50 - 1:200 Immunofluorescence: 1:50 - 1:200
Molecular Weight:	75kDa
Purification:	Aff. Pur.
Synonyms:	TGFBR2; AAT3; FAA3; LDS1B; LDS2; LDS2B; MFS2; RIIC; TAAD2; TGFR-2; TGFbeta-RII; TGF-beta rec eptor type-2.
Background:	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.
Form:	Liquid



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.



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



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).

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