

anti-Human TGFR2 Polyclonal Antibody | anti-TGFR2 antibody

Anti-TGFR2 Antibody

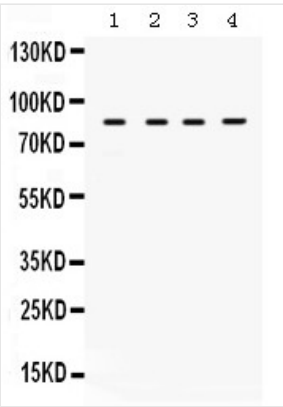
CATALOG # AAA46329	REACTIVITY Human	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

TGFR2; Polyclonal Antibody; Anti-TGFR2 Antibody; TGF-beta receptor type-2; AAT 3; AAT3; FAA 3; FAA3; HNPCC6; LDS1B; LDS2B; MFS 2; MFS2; RIIC; TAAD 2; TAAD2; TbetaR II; TbetaR-II; TGF beta receptor type 2; TGF beta receptor type II; TGF beta receptor type IIB; TGF beta type II receptor; TGF-beta receptor type II; TGF-beta type II receptor; TGFB R2; TGFBeta RII; TGFR 2; TGFR 2; TGFR-2; TGFR2; TGFR2_HUMAN; Transforming growth factor beta receptor II; Transforming growth factor beta receptor type II; Transforming growth factor beta receptor type IIC; Transforming growth factor-beta receptor type II antibody; transforming growth factor; beta receptor II (70/80kDa); anti-TGFR2 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	No cross reactivity with other proteins
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	592
Applicable Applications for anti-TGFR2 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human TGFR2 (96-128aa TLETVCHDPKLPYHDFILEDAAAPKCIMKEKKK), different from the related mouse sequence by five amino acids, and from the related rat sequence by eight amino acids.
Reconstitution	0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquoted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)
Anti-TGFBR2 Picoband antibody, AAA46329, Western blottingAll lanes: Anti TGFBR2 (AAA46329) at 0.5ug/mlLane 1: MCF-7 Whole Cell Lysate at 40ugLane 2: SW620 Whole Cell Lysate at 40ugLane 3: 22RV1 Whole Cell Lysate at 40ugLane 4: HELA Whole Cell Lysate at 40ugPredicted bind size: 85KDObserved bind size: 85KD

ADDITIONAL INFORMATION

Related Product Information for anti-TGFBR2 antibody	Background: TGFBR2 (transforming growth factor, beta receptor II (70/80kDa)), also known as TGF-beta receptor type-2, TGFR-2, TGF-beta type II receptor, Transforming growth factor-beta receptor type II(TGF-beta receptor type II, TbetaR-II), is a member of the Ser/Thr protein kinase family and the TGFB receptor subfamily. A TGFBR2 cDNA encodes a deduced 565-amino acid protein with a calculated molecular mass of approximately 60 kD in length. 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, Osler-Weber-Rendu syndrome, and the development of various types of tumors. Alternatively spliced transcript variants encoding different informs have been characterized.
References	1. Hagen, G., Muller, S., Beato, M., Suske, G. Cloning by recognition site screening of two novel GT box binding proteins: a family of Sp1 related genes. Nucleic Acids Res. 20: 5519-5525, 1992. 2. Lin, H. Y., Wang, X.-F., Ng-Eaton, E., Weinberg, R. A., Lodish, H. F. Expression cloning of the TGF-beta type II receptor, a functional transmembrane serine/threonine kinase. Cell 68: 775-785, 1992. 3. Hahm, K.-B., Cho, K., Lee, C., Im, Y.-H., Chang, J., Choi, S.-G., Sorensen, P. H. B., Thiele, C. J., Kim, S.-J.Repression of the gene encoding the TGF-beta type II receptor is a major target of the EWS-FLI1 oncoprotein. Nature Genet. 23: 222-227, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GI #	67782326
NCBI GeneID	7048
NCBI Accession #	NP_001020018.1
NCBI GenBank Nucleotide #	NM_001024847.2
UniProt Accession #	P37173; Q15580; Q6DKT6; Q99474; B4DTV5
NCBI Official Full Name	TGF-beta receptor type-2 isoform A
NCBI Official Synonym Full Names	transforming growth factor beta receptor 2
NCBI Official Symbol	TGFBR2
NCBI Official Synonym Symbols	AAT3; FAA3; LDS2; MFS2; RIIC; LDS1B; LDS2B; TAAD2; TGFR-2; TGFbeta-RII
NCBI Protein Information	TGF-beta receptor type-2
UniProt Protein Name	TGF-beta receptor type-2

UniProt Gene Name	TGFR2
UniProt Synonym Gene Names	TGFR-2; TGF-beta receptor type II; TbetaR-II
UniProt Entry Name	TGFR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tgfr2-antibody-western-blot-elisa/46329>