

Rabbit anti-Human TGF beta Receptor II Polyclonal Antibody | anti-TGFB2 antibody

Rabbit anti TGF beta Receptor II Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71300	Rabbit	Human	Western Blot, Immunoprecipitation, Immunohistochemistry, ELISA

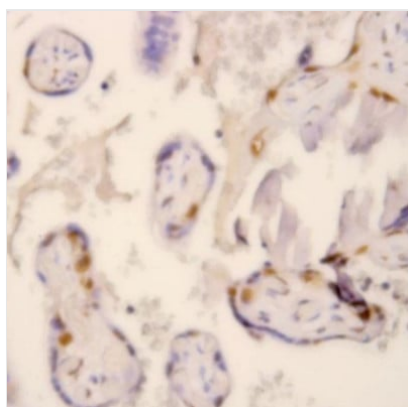
PRODUCT SYNONYMS

TGF beta Receptor II; Polyclonal Antibody; Rabbit anti TGF beta Receptor II Polyclonal Antibody; TGFB2; Transforming Growth Factor beta Receptor II; anti-TGFB2 antibody

PRODUCT SPECIFICATIONS

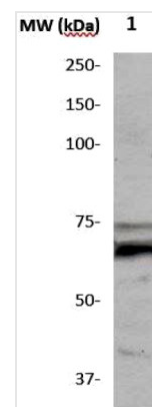
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody reacts with human TGF-beta Receptor II. The other species are not tested.
Purity/Purification	Purified by Epitope Affinity Purification
Form/Format	Supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Sequence Length	567
Applicable Applications for anti-TGFB2 antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA
Preparation	A synthetic peptide derived from internal sequence (90-160aa) of human TGFbeta receptor type-2. This sequence is also identical within human, rat, mouse, chicken, bovine species.
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry: Human Placenta (FFPE) stained with Rabbit anti-TGFB2 (Cat# AAA71300) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.



WB (Western Blot)

Western Blot: The cell lysate derived from HEK293 transfected with full length of TGF R1 was immunoprobed by Rabbit anti-TGF R2 (Cat#AAA71300) at 1:500. An immunoreactive band is observed around ~65 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-TGFBR2 antibody	Background: Transforming growth factor β isoforms (TGF- β 1, 2, 3) play vital roles in regulating cellular growth and differentiation, and they signal through a highly restricted subset of receptors known as TGF- β type I receptor (T β R-I) and TGF- β type II receptor (T β R-II). TGF- β 's specificity for T β R-I has been proposed to arise from its pre-helix extension, a five-residue loop that binds in the cleft between TGF- β and T β R-II. TGF- β binds with high affinity to the type II receptor, a transmembrane protein with a cytoplasmic serine/threonine kinase domain, which requires both its kinase activity and association with another TGF betabinding protein, the type I receptor, to signal growth inhibition and early gene responses. Receptors I and II associate as interdependent components of a heteromeric complex: receptor I requires receptor II to bind TGF beta, and receptor II requires receptor I to signal. Mutations in T β R-I and T β R-II gene have been associated with Loeys-Dietz aortic aneurysm syndrome (LDAS)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	110287585
NCBI GeneID	7048
Molecular Weight	65.0
NCBI Official Full Name	transforming growth factor beta receptor II
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	TGFBR2
UniProt Synonym Gene Names	TGFR-2; TGF-beta receptor type II; TbetaR-II

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/tgf-beta-receptor-ii-antibody-western-blot-immunoprecipitation-immunohistochemistry-elisa/71300>