

Rabbit anti-Human, mouse Tgfr2 Polyclonal Antibody | anti-Tgfr2 antibody

Mouse Tgfr2 Antibody (C-term)

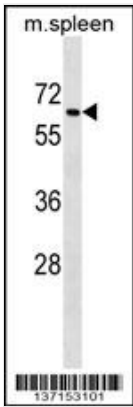
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288715	Rabbit	Human, mouse	ELISA, Western Blot

PRODUCT SYNONYMS

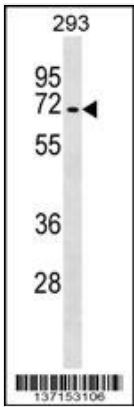
Tgfr2; Polyclonal Antibody; Mouse Tgfr2 Antibody (C-term); TGF-beta receptor type-2; TGFR-2; TGF-beta type II receptor; Transforming growth factor-beta receptor type II; TGF-beta receptor type II; TbetaR-II; anti-Tgfr2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Tgfr2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 548-575 amino acids from the C-terminal region of mouse Tgfr2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	548-575
Sequence Length	592
Applicable Applications for anti-Tgfr2 antibody	ELISA, WB (Western Blot)
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:P37173}; Single-pass type I membrane protein {ECO:0000250 UniProtKB:P37173} Membrane raft {ECO:0000250 UniProtKB:P37173}
Tissue Location	Widely expressed in adult. Expressed primarily in mesenchyme and epidermis of the midgestational fetus.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Anti-Mouse Tgfr2 Antibody (C-term) at 1:1000 dilution + mouse spleen lysate
Lysates/proteins at 20 ug per lane.Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase
conjugated at 1/10000 dilution.Predicted band size : 67 kDaBlocking/Dilution buffer: 5%
NFDm/TBST.



WB (Western Blot)
Mouse Tgfr2 Antibody (C-term) western blot analysis in 293 cell line lysates (35ug/lane).This
demonstrates the Tgfr2 antibody detected the Tgfr2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-Tgfr2 antibody	Background: On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Receptor for TGF-beta. Function: Transmembrane serine/threonine kinase forming with the TGF- beta type I serine/threonine kinase receptor, TGFBR1, the non- promiscuous receptor for the TGF-beta cytokines TGFB1, TGFB2 and TGFB3. Transduces the TGFB1, TGFB2 and TGFB3 signal from the cell surface to the cytoplasm and is thus regulating a plethora of physiological and pathological processes including cell cycle arrest in epithelial and hematopoietic cells, control of mesenchymal cell proliferation and differentiation, wound healing, extracellular matrix production, immunosuppression and carcinogenesis. The formation of the receptor complex composed of 2 TGFBR1 and 2 TGFBR2 molecules symmetrically bound to the cytokine dimer results in the phosphorylation and the activation of TGFBR1 by the constitutively active TGFBR2. Activated TGFBR1 phosphorylates SMAD2 which dissociates from the receptor and interacts with SMAD4. The SMAD2-SMAD4 complex is subsequently translocated to the nucleus where it modulates the transcription of the TGF-beta-regulated genes. This constitutes the canonical SMAD-dependent TGF-beta signaling cascade. Also involved in non-canonical, SMAD-independent TGF-beta signaling pathways (By similarity).
Product Categories/Family for anti-Tgfr2 antibody	Signal Transduction
References	Droguett, R., et al. Exp. Cell Res. 316(15):2487-2503(2010) Robson, A., et al. Dev. Dyn. 239(9):2435-2442(2010) Moreno, S.G., et al. Dev. Biol. 342(1):74-84(2010) Ouyang, W., et al. Immunity 32(5):642-653(2010) Lu, L., et al. J. Immunol. 184(8):4295-4306(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	239787881
NCBI GeneID	21813
NCBI Accession #	NP_033397.3
NCBI GenBank Nucleotide #	NM_009371.3
UniProt Accession #	Q62312; Q63947

Molecular Weight	64219
NCBI Official Full Name	TGF-beta receptor type-2 isoform 1
NCBI Official Synonym Full Names	transforming growth factor, beta receptor II
NCBI Official Symbol	Tgfr2
NCBI Official Synonym Symbols	DNIIR; RIIDN; TBR-II; AU042018; TbetaRII; TbetaR-II; 1110020H15Rik
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_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/tgfr2-antibody-western-blot-elisa/288715>