

Rabbit anti-Human TGF beta Receptor II Monoclonal Antibody | anti-TGFBR2 antibody

TGF beta Receptor II Rabbit mAb

CATALOG # AAA282969	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

TGF beta Receptor II; Monoclonal Antibody; TGF beta Receptor II Rabbit mAb; AAT3; FAA3; LDS2; MFS2; RIIC; LDS1B; LDS2B; TAAD2; TBR1; TBR-ii; TGFR-2; tbetaR-II; TGFbeta-RII; TGF beta Receptor II (TGFB2); anti-TGFB2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	TWETGKTRKL MEFSEHCAII LEDDRSDISS TCANNINHNT ELLPIELDTL VGKGRFAEVY KAKLKQNTSE QFETVAVKIF PYEEYASWKT EKDFSDINL K
Applicable Applications for anti-TGFB2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 200-300 of human TGF beta Receptor II (TGFB2)(NP_003233.4).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



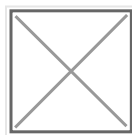
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse kidney using TGF beta Receptor II (TGFB2) Rabbit mAb (AAA282969) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human placenta using TGF beta Receptor II (TGFB2) Rabbit mAb (AAA282969) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of lysates from Hep G2 cells using TGF beta Receptor II Rabbit mAb (AAA282969) at 1:8000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-TGFBR2 antibody	The protein encoded by this gene is a transmembrane protein that has a protein kinase domain, forms a heterodimeric complex with TGF-beta receptor type-1, and binds TGF-beta. This receptor/ligand complex phosphorylates proteins, which then enter the nucleus and regulate the transcription of genes related to cell proliferation, cell cycle arrest, wound healing, immunosuppression, and tumorigenesis. 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.
Product Categories/Family for anti-TGFBR2 antibody	Signal Transduction; Kinase; Cell Biology Developmental Biology; TGF-b-Smad Signaling Pathway; Stem Cells; Antibodies

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
Molecular Weight	Calculated MW: 65kDa Observed MW: 65kDa, 85kDa
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
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/monoclonal/tgf-beta-receptor-ii-antibody-immunohistochemistry-western-blot-elisa/282969>