

Rabbit TGFR2 Polyclonal Antibody | anti-TGFR2 antibody

TGFR2 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199480	Rabbit	Cow, Goat, Human, Mouse, Pig, Rabbit, Rat, Sheep	Western Blot

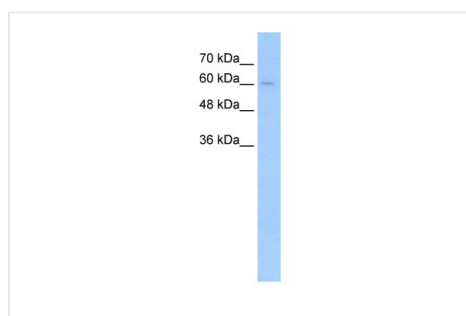
PRODUCT SYNONYMS

TGFR2; Polyclonal Antibody; TGFR2 antibody - N-terminal region; anti-TGFR2 antibody

PRODUCT SPECIFICATIONS

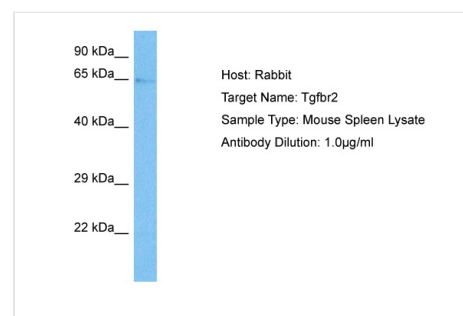
Host	Rabbit
Reactivity	Cow, Goat, Human, Mouse, Pig, Rabbit, Rat, Sheep
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: MG RGLLRGLWPL HIVLWTRIAS TIPPHVQKSD VEMEAQKDEI ICPSCNRT
Sequence Length	567
Applicable Applications for anti-TGFR2 antibody	WB (Western Blot)
Homology	Cow: 93%; Goat: 93%; Human: 100%; Mouse: 93%; Pig: 93%; Rabbit: 100%; Rat: 93%; Sheep: 91%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human TGFR2
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-TGFR2 Antibody Titration: 5.0ug/ml
 Positive Control: HepG2 cell lysate
 TGFR2 is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells



WB (Western Blot)

Host: Mouse
 Target Name: TGFR2
 Sample Tissue: Mouse Spleen
 Antibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-TGFR2 antibody	This is a rabbit polyclonal antibody against TGFR2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: TGFR2 is a member of the Ser/Thr protein kinase family and the TGFB receptor subfamily. The 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 its gene have been associated with Marfan Syndrome, Loeys-Deitz Aortic Aneurysm Syndrome, and the development of various types of tumors.This gene is a member of the Ser/Thr protein kinase family and the TGFB receptor subfamily. It encodes 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. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Product Categories/Family for anti-TGFR2 antibody	Polyclonal; Signal Proteins; Membrane Protein; Drugs and Drug Metabolism; Chromatin & Nuclear Signaling; Developmental Biology; Signal Transduction; Membrane & Traffic; Disease Related; Receptors; MAPK Signaling ; Pathways In Cancer; Phosphorylation; Cell

NCBI AND UNIPROT INFORMATION

NCBI GI #	67782324
NCBI GeneID	7048
NCBI Accession #	NP_003233
NCBI GenBank Nucleotide #	NM_003242
UniProt Accession #	P37173
Molecular Weight	62kDa
NCBI Official Full Name	TGF-beta receptor type-2 isoform B
NCBI Official Synonym Full Names	transforming growth factor beta receptor 2
NCBI Official Symbol	TGFR2
NCBI Official Synonym Symbols	AAT3; FAA3; LDS2; MFS2; RIIC; LDS1B; LDS2B; TAAD2; TBR1; TBR-ii; TGFR-2; TGFbeta-R1
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.