

Rabbit anti-Human TGFB2 Polyclonal Antibody | anti-TGFB2 antibody

TGFB2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA232707	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

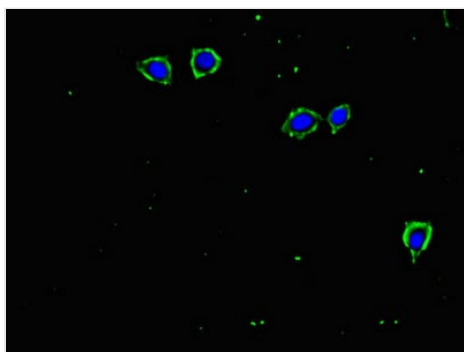
PRODUCT SYNONYMS

TGFB2; Polyclonal Antibody; TGFB2 Antibody; TGF-beta receptor type-2; TGF-beta type II receptor; Transforming growth factor-beta receptor type II; TGF-beta receptor type II; TbetaR-II; anti-TGFB2 antibody

PRODUCT SPECIFICATIONS

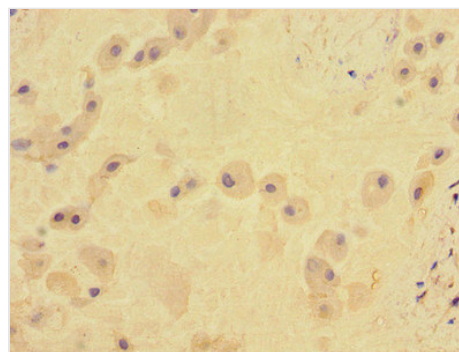
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	592
Applicable Applications for anti-TGFB2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant human TGF-beta receptor type-2 protein (195-334AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-33929 / sc-220 / sc-400 / sc-1700
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



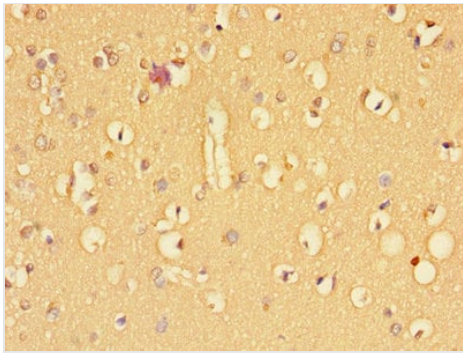
IHC (Immunohistochemistry)

Immunofluorescent analysis of MCF-7 cells using AAA232707 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human placental tissue using AAA232707 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human brain tissue using AAA232707 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-TGFR2 antibody	Transmembrane serine/threonine kinase forming with the TGF-beta type I serine/threonine kinase receptor, TGFR1, 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 TGFR1 and 2 TGFR2 molecules symmetrically bound to the cytokine dimer results in the phosphorylation and the activation of TGFR1 by the constitutively active TGFR2. Activated TGFR1 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.
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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	67,457 Da
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	TGFR2
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.

