

Rabbit TGFBR1 Polyclonal Antibody | anti-TGFBR1 antibody

Rabbit anti TGFBR1 (pS165) Polyclonal Antibody

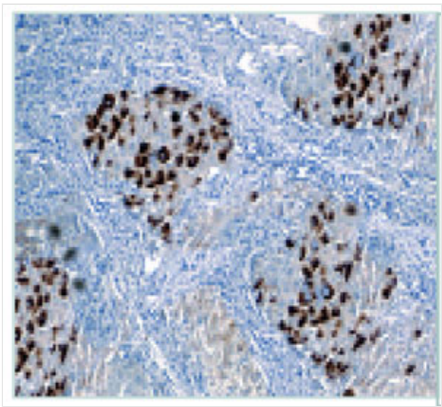
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71346	Rabbit	Human, Mouse, Rat	Western Blot, Immunoprecipitation, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

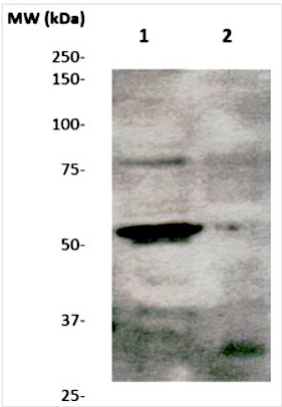
TGFBR1; Polyclonal Antibody; Rabbit anti TGFBR1 (pS165) Polyclonal Antibody; Transforming Growth Factor beta Receptor Type 1 (TGFBR1); ALK5; anti-TGFBR1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody recognizes human protein. The other species are not tested.
Purity/Purification	The Rabbit IgG is purified by Site-modified Epitope Affinity Purification
Form/Format	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer
Sequence Length	507
Applicable Applications for anti-TGFBR1 antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA
Antigen Preparation	A synthetic peptide derived from internal sequence (-EEDP-*S-LDRP) with a phosphorylation site at Serine 165 of mouse TGFbeta receptor type-1. This sequence is also identical within human, rat, mouse, chicken, bovine and dog species
Positive Control	Kidney Tissue
Cellular Location	Cell Membrane
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.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human breast carcinoma tissue stained with Rabbit anti-TGFBR1(pSer165) antibody (Cat#AAA71346) at 1:50 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)
The cell lysate derived from TGF beta peptide (10 ng/ml for 30 minutes) stimulated MCF-7 cell lysate was immunoprobed by Rabbit anti-TGF?R1 (Cat#AAA71346) at 1:500. An immunoreactive band is observed around ~55 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-TGFBR1 antibody	Transforming growth factor ? isoforms (TGF-?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-? type I receptor (T?R-I) and TGF-? type II receptor (T?R-II). Expression of T beta R-I is more ubiquitous than that of T beta R-II. There was no staining of T beta R-II in the central nervous system, while intense T beta R-I staining was found specifically in nervous tissues. Expression of T beta R-I and T beta R-II was mostly coincident with that of their ligands, suggesting that TGF-beta s act as multiple mediators during organogenesis. TGF-? binds with high affinity to its receptor, a transmembrane protein with a cytoplasmic serine/threonine kinase domain, to form a dynamic dimer with phosphorylation in the cytoplasmic Ser/Thr residuals which cause its kinase activity and association with another TGF beta-binding protein, the type I receptor, to signal growth inhibition and early gene responses.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	817050443
NCBI GeneID	7046
NCBI Accession #	NP_001293139.1
NCBI GenBank Nucleotide #	NM_001306210.1
UniProt Accession #	P36897; Q6IR47; Q706C0; Q706C1
Molecular Weight	55.0
NCBI Official Full Name	TGF-beta receptor type-1 isoform 3
NCBI Official Synonym Full Names	transforming growth factor beta receptor 1
NCBI Official Symbol	TGFBR1
NCBI Official Synonym Symbols	AAT5; ALK5; ESS1; LDS1; MSSE; SKR4; ALK-5; LDS1A; LDS2A; TGFR-1; ACVRLK4; tbetaR-I
NCBI Protein Information	TGF-beta receptor type-1
UniProt Protein Name	TGF-beta receptor type-1
UniProt Gene Name	TGFBR1
UniProt Synonym Gene Names	ALK5; SKR4; TGFR-1; ALK-5; ALK5; SKR4; TGF-beta receptor type I; TbetaR-I

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/tgfr1-antibody-western-blot-immunoprecipitation-immunohistochemistry-flow-cytometry-elisa/71346>