

Rabbit TGF beta Receptor III Polyclonal Antibody | anti-TGFbetalll antibody

Phospho-TGF beta Receptor III (Thr843) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329671	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

TGF beta Receptor III; Polyclonal Antibody; Phospho-TGF beta Receptor III (Thr843) Antibody; Beta glycan; Betaglycan; Betaglycan proteoglycan; BGCAN; TGBR3_HUMAN; TGF beta receptor type 3; TGF beta receptor type III; TGF-beta receptor type 3; TGF-beta receptor type III; TGFB R3; TGFB R3; TGFB R3; TGFR 3; TGFR-3; TGFR3; Transforming growth factor beta receptor III; Transforming growth factor beta receptor III betaglycan 300kDa; Transforming growth factor beta receptor type 3; anti-TGFbetalll antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-TGF beta Receptor III (Thr843) Antibody detects endogenous levels of TGF beta Receptor III only when phosphorylated at Thr843.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-TGFbetalll antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human TGF beta Receptor III around the phosphorylation site of Thr843.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Extensively modified by glycosaminoglycan groups (GAG).
Subunit Structure	Interacts with TCTEX1D4.
Subcellular Location	Secreted. Secreted>Extracellular space. Cell membrane>Single-pass type I membrane protein. Note: Exists both as a membrane-bound form and as soluble form in serum and in the extracellular matrix.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
At 1/200 staining Human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/200 staining Mouse kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/200 staining Rat spleen tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of TGF beta Receptor III (Phospho-Thr843) using K562 whole cell lysates. -/+ means absence or presence of N peptide(non-phospho peptide) and P peptide(phospho peptide).



WB (Western Blot)
Western blot analysis of extracts from HeLa cells(serum starvation treatment), using Phospho-TGF beta Receptor III (Thr843) Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-TGFbetaIII antibody	Binds to TGF-beta. Could be involved in capturing and retaining TGF-beta for presentation to the signaling receptors.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	307574634
NCBI GeneID	7049
NCBI Accession #	NP_001182613.1
NCBI GenBank Nucleotide #	NM_001195684.1
UniProt Accession #	Q03167; Q5T2T4; Q5U731; Q9UGI2; A0AUW8; A8K5N0; B9EG88
Molecular Weight	93,499 Da
NCBI Official Full Name	transforming growth factor beta receptor type 3 isoform b
NCBI Official Synonym Full Names	transforming growth factor, beta receptor III
NCBI Official Symbol	TGFBR3
NCBI Official Synonym Symbols	BGCAN; betaglycan
NCBI Protein Information	transforming growth factor beta receptor type 3; TGFR-3; betaglycan proteoglycan; TGF-beta receptor type 3; TGF-beta receptor type III
UniProt Protein Name	Transforming growth factor beta receptor type 3
UniProt Gene Name	TGFBR3

UniProt Synonym Gene Names	TGF-beta receptor type 3; TGFR-3
UniProt Entry Name	TGBR3_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/polyclonal/tgf-beta-receptor-iii-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/329671>