



TGFBR1 (Phospho-Thr204) rabbit pAb

Catalog No	YP-Ab-10450
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	TGFBR1 ALK5 SKR4
Immunogen	Synthesized peptide derived from human TGFBR1 (Phospho-Thr204)
Specificity	This antibody detects endogenous levels of TGFBR1 (Phospho-Thr204) at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, and 0.103% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AAT 5;AAT5;Activin A receptor type II like kinase 53kDa;Activin A receptor type II like kinase;53kD;Activin A receptor type II like protein kinase of 53kD;activin A receptor type II-like kinase;53kDa;activin A receptor type II-like protein kinase of 53kD;Activin receptor like kinase 5;Activin receptor-like kinase 5;ACVRLK 4; ACVRLK4;ALK 5;ALK-5;ALK5;LDS1A;LDS2A;MSSE;Serine/threonine protein kinase receptor R4;Serine/threonine-protein kinase receptor R4;SKR 4;SKR4; TbetaR I;TbetaR-I;TGF beta receptor type 1;TGF beta receptor type I;TGF beta type I receptor;TGF-beta receptor type I;TGF-beta receptor type-1;TGF-beta type I receptor;TGFBR 1;TGFBR1;TGFBR1 protein;TGFR 1;TGFR-1;TGFR1; TGFR1_HUMAN;Transforming growth factor beta receptor 1;Transforming growth factor beta receptor I (activin A receptor type II like kinase;53kD); Transforming growth factor beta receptor I;transforming growth factor;beta receptor 1;beta receptor I (activin A receptor type II-like kinase;Transforming growth factor-beta receptor type I;TGF β Receptor I;TGFBR1 ALK5 SKR4; TGFBR1 (Phospho-Thr204);TGF-beta receptor type-1 (TGFR-1) (EC 2.7.11.30) (Activin A receptor type II-like protein kinase of 53kD) (Activin receptor-like kinase 5) (ALK-5) (ALK5) (Serine/threonine-protein kinase receptor R4) (SKR4) (TGF-beta type I receptor) (Transforming growth factor-beta receptor type I) (TGF-beta receptor type I) (TbetaR-I)
Observed Band	



Calculated Molecular Weight	56 kDa; 56kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Cell junction, tight junction . Cell surface . Membrane raft .
Tissue Specificity	Found in all tissues examined, most abundant in placenta and least abundant in brain and heart. Expressed in a variety of cancer cell lines (PubMed:25893292).
Function	catalytic activity:ATP + [receptor-protein] = ADP + [receptor-protein] phosphate., cofactor:Magnesium or manganese.,disease:Defects in TGFB1 are the cause of aortic aneurysm familial thoracic type 5 (AAT5) [MIM:608967]. Aneurysms and dissections of the aorta usually result from degenerative changes in the aortic wall. Thoracic aortic aneurysms and dissections are primarily associated with a characteristic histologic appearance known as 'medial necrosis' in which there is degeneration and fragmentation of elastic fibers, loss of smooth muscle cells, and an accumulation of basophilic ground substance.,disease:Defects in TGFB1 are the cause of Loeys-Dietz syndrome type 1A (LDS1A) [MIM:609192] ; also known as Furlong syndrome or Loeys-Dietz aortic aneurysm syndrome (LDAS). LDS1 is an aortic aneurysm syndrome with widespread systemic involvement. The disorder is characterized by arterial tort
Background	The protein encoded by this gene forms a heteromeric complex with type II TGF-beta receptors when bound to TGF-beta, transducing the TGF-beta signal from the cell surface to the cytoplasm. The encoded protein is a serine/threonine protein kinase. Mutations in this gene have been associated with Loeys-Dietz aortic aneurysm syndrome (LDAS). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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