



TGFBR2 (Phospho-Tyr284) rabbit pAb

Catalog No	YP-Ab-10470
Isotype	IgG
Reactivity	Human; Mouse; Rat
Applications	WB
Gene Name	TGFBR2
Immunogen	Synthesized peptide derived from human TGFBR2 (Phospho-Tyr284)
Specificity	This antibody detects endogenous levels of TGFBR2 (Phospho-Tyr284) at Human, Mouse, Rat
Formulation	Liquid in PBS containing 50% glycerol, and 0.125% 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	AAT3; FAA3; LDS1B; LDS2; LDS2B; MFS2; RIIC; TAAD2; TbetaR II; TbetaR-II; TGF beta receptor type 2; TGF beta receptor type II; TGF beta receptor type IIB; TGF beta type II receptor; TGF-beta receptor type II; TGF-beta receptor type-2; TGF-beta type II receptor; TGF-beta-R2; TGFB R2; TGFbeta - RII; TGFbeta RII; Tgfb2; TGFR-2; TGFR2_HUMAN; Transforming growth factor beta receptor II; Transforming growth factor beta receptor type II; Transforming growth factor beta receptor type IIC; Transforming growth factor; beta receptor II (7/8kDa); beta receptor II alpha; beta receptor II beta; beta receptor II delta; beta receptor II epsilon; beta receptor II gamma; Transforming growth factor-beta receptor type II; TGF β Receptor II; TGFBR2 (Phospho-Tyr284); TGF-beta receptor type-2 (TGFR-2) (EC 2.7.11.30) (TGF-beta type II receptor) (Transforming growth factor-beta receptor type II) (TGF-beta receptor type II) (TbetaR-II)
Observed Band	75kD
Calculated Molecular Weight	75kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Membrane raft . ; [Isoform 3]: Secreted .
Tissue Specificity	Cerebellum, Colon, Epithelium, Glial cell, Liver,



Function

catalytic activity:ATP + [receptor-protein] = ADP + [receptor-protein] phosphate., cofactor:Magnesium or manganese.,disease:Defects in TGFBR2 are a cause of esophageal cancer [MIM:133239].,disease:Defects in TGFBR2 are the cause of aortic aneurysm familial thoracic type 3 (AAT3) [MIM:610380]. 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' or 'Erdheim cystic medial necrosis' in which there is degeneration and fragmentation of elastic fibers, loss of smooth muscle cells, and an accumulation of basophilic ground substance. AAT3 is an autosomal dominant disorder with reduced penetrance and variable expression.,disease:Defects in TGFBR2 are the cause of hereditary non-polyposis colorectal cancer type 6 (HN

Background

This gene encodes a member of the Ser/Thr protein kinase family and the TGFB receptor subfamily. The encoded 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 this gene have been associated with Marfan Syndrome, Loeys-Deitz Aortic Aneurysm Syndrome, and the development of various types of tumors. Alternatively spliced transcript variants encoding different isoforms have been characterized. [provided by RefSeq, Jul 2008],

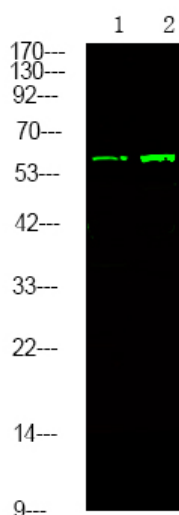
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of 1 A549 cell, 2 LPS 100ng/mL 30min treated ,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000