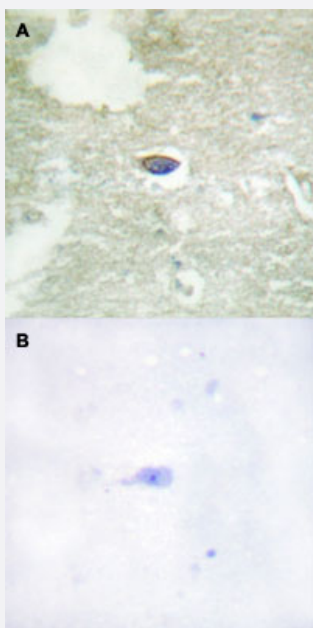


TGFR2 (phospho S225/S250) polyclonal antibody

Catalog # PAB29283 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human brain tissue with TGFR2 (phospho S225/S250) polyclonal antibody (Cat# PAB29283) without blocking peptide (A) or preincubated with blocking peptide (B) under 1:50-1:100 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of human TGFR2.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S225/S250 of human TGFR2.
Host	Rabbit
Theoretical MW (kDa)	64
Reactivity	Human
Specificity	TGFR2 (phospho S225/S250) polyclonal antibody detects endogenous levels of human TGFR2 only when phosphorylated at serine 225/250.
Form	Liquid

Purification	Affinity Chromatography
Recommend Usage	Immunohistochemistry (1:50~1:100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg ²⁺ and Ca ²⁺), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human brain tissue with TGFBR2 (phospho S225/S250) polyclonal antibody (Cat# PAB29283) without blocking peptide (A) or preincubated with blocking peptide (B) under 1:50-1:100 dilution.

Gene Info — TGFBR2

Entrez GeneID	7048
Protein Accession#	P37173
Gene Name	TGFBR2
Gene Alias	AAT3, FAA3, LDS1B, LDS2B, MFS2, RIIC, TAAD2, TGFR-2, TGFbeta-RII
Gene Description	transforming growth factor, beta receptor II (70/80kDa)
Omim ID	133239 154705 190182 608967 609192
Gene Ontology	Hyperlink
Gene Summary	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]

Other Designations

TGF-beta receptor type IIB|TGF-beta type II receptor|transforming growth factor beta receptor type IIC|transforming growth factor, beta receptor II|transforming growth factor, beta receptor II (70-80k D)

Pathway

- [Adherens junction](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Cytokine-cytokine receptor interaction](#)
- [Endocytosis](#)
- [MAPK signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [TGF-beta signaling pathway](#)

Disease

- [Abnormalities](#)
- [Aneurysm](#)
- [Aortic Aneurysm](#)
- [Aortic Rupture](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Brief Psychiatric Rating Scale](#)

- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Dilatation](#)
- [Disease Progression](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Genomic Instability](#)
- [Head and Neck Neoplasms](#)
- [Heart Defects](#)
- [Helicobacter Infections](#)
- [Hepatitis C](#)
- [Infant](#)
- [Intracranial Aneurysm](#)
- [Keloid](#)
- [Kidney Failure](#)
- [Laryngeal Neoplasms](#)

- [Liver Cirrhosis](#)
- [Lupus Erythematosus](#)
- [Marfan syndrome](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Microsatellite Instability](#)
- [Mouth Neoplasms](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pharyngeal Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Syndrome](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Vitiligo](#)