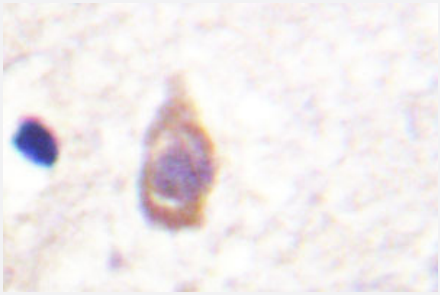
TGFBR2 polyclonal antibody

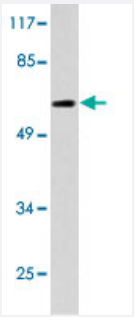
Catalog # PAB27131 Size 100 uL

Applications



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

Immunohistochemical analysis of paraffin-embedded human brain tissue using TGFBR2 polyclonal antibody (Cat # PAB27131).



Western Blot (Cell lysate)

Western blot analysis of NIH/3T3 cell lysate with TGFBR2 polyclonal antibody (Cat # PAB27131).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of TGFBR2.
Immunogen	A synthetic peptide corresponding to to amino acids 220-300 of human TGFBR2.
Host	Rabbit
Theoretical MW (kDa)	65
Reactivity	Human, Mouse
Specificity	TGFBR2 polyclonal antibody detects endogenous levels of TGFBR2 protein.
Form	Liquid

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Purification	Antigen affinity purification
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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

  Immunohistochemical analysis of paraffin-embedded human brain tissue using TGFBR2 polyclonal antibody (Cat # PAB27131).

- Western Blot (Cell lysate)

  Western blot analysis of NIH/3T3 cell lysate with TGFBR2 polyclonal antibody (Cat # PAB27131).

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

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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 (70-80kD)

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

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- 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

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- 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

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- Vitiligo

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