RecomAb™

TGFBR2 recombinant monoclonal antibody, clone R08-2E3

Catalog # RAB06466 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human TGFBR2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against protein corresponding to full length human TGFBR2.
Theoretical MW (kDa)	Calculated MW: 65 kD
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end use.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
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

- Western Blot

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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 (70-80kD)

Pathway

- Adherens junction
- Chronic myeloid leukemia
- Colorectal cancer
- Cytokine-cytokine receptor interaction
- Endocytosis
- MAPK signaling pathway
- Pancreatic cancer
- Pathways in cancer

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- 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

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- 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

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- Pancreatic Neoplasms
- Pharyngeal Neoplasms
- Polycystic Ovary Syndrome
- Puberty
- Schizophrenia
- Stomach Neoplasms
- Stroke
- Syndrome
- Thrombophilia
- Tobacco Use Disorder
- Vitiligo

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