

TGFBR2 rabbit monoclonal antibody

Catalog # H00007048-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human TGFBR2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human TGFBR2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human TGFBR2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab)₂, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — TGFBR2

Entrez GeneID	7048
GeneBank Accession#	TGFB2
Gene Name	TGFB2
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](#)
- [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](#)