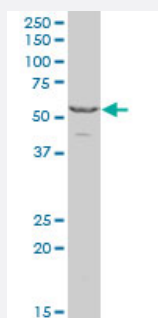


TGFBR2 polyclonal antibody (A01)

Catalog # H00007048-A01

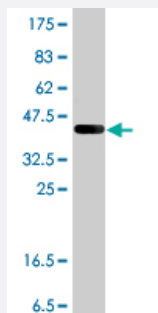
Size 50 uL

Applications



Western Blot (Cell lysate)

TGFBR2 polyclonal antibody (A01), Lot # 060525JCSI. Western Blot analysis of TGFBR2 expression in Raw 264.7.



Western Blot detection against Immunogen (37.55 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant TGFBR2.
Immunogen	TGFBR2 (NP_001020018, 62 a.a. ~ 165 a.a) partial recombinant protein with GST tag.
Sequence	MTDNNGAVKFPQLCKFCDFRSTCDNQKSCMSNCSITSICEKPQEVCAVVRKNDENITLTVCHDPKLPYHDFILEDAAASPKCIMKEKKKPGETFFMCSCSS
Host	Mouse
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (83)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (37.55 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

TGFBR2 polyclonal antibody (A01), Lot # 060525JCSI. Western Blot analysis of TGFBR2 expression in Raw 264.7.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — TGFBR2

Entrez GeneID

[7048](#)

GeneBank Accession#

[NM_001024847](#)

Protein Accession#

[NP_001020018](#)

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)

Publication Reference

- [Halofuginone enhances the radiation sensitivity of human tumor cell lines.](#)

Cook JA, Choudhuri R, Degraff W, Gamson J, Mitchell JB.

Cancer Letters 2010 Mar; 289(1):119.

Application: WB-Ce, Human, DU-145, HT-29, MCF-7, PC-Sw, SNU-638 cells

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](#)