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Product Information

Recombinant Anti-Human tgfbr2 Antibody

Cat. No.: **MOM-18503**
This product is for research use only and is not intended for diagnostic use.

Product Overview

Recombinant Mouse Antibody is against Human TGFBR2, expressed in Chinese Hamster Ovary cells(CHO)

Antigen Description

Transforming Growth Factor beta Receptor II (TGFBR2) belongs to the serine-threonine kinase family. It is involved in regulating cell proliferation and differentiation and extracellular matrix production and acts as a signal transducer. It phosphorylates TGFBR1 upon binding to its ligand, TGF-beta. TGFBR1 in turn phosphorylates the cytoplasmic effectors of the pathway, known as SMADs.

Specific Activity

Tested positive against native antigen.

Target

TGFBR2

Immunogen

Recombinant human TGF beta Receptor II extracellular domain

Source

Mouse

Species Reactivity

Human

Type

IgG

Expression Host

CHO

Purity

>95.0% as determined by analysis by SDS-PAGE.

Applications

Suitable for use in Neut, ELISA, FC, IP, ICC and most other immunological methods.

Storage

Store at -20°C for long-term storage. Store at 2-8°C for up to one month. Avoid freeze/thaw cycles.

ANTIGEN GENE INFOMATION

Gene Name

TGFBR2 transforming growth factor, beta receptor II (70/80kDa) [Homo sapiens]

Official Symbol

TGFBR2

Synonyms

TGFBR2; transforming growth factor, beta receptor II (70/80kDa); MFS2, transforming growth factor, beta receptor II (70 80kD); TGF-beta receptor type-2; tbetaR-II; TGF-beta receptor type II; TGF-beta type II receptor; TGF-beta receptor type IIB; transforming growth factor-beta receptor type II; transforming growth factor beta receptor type IIC; transforming growth factor, beta receptor II (70/80kDa) isoform 1; transforming growth factor, beta receptor II (70/80kDa) isoform 2; AAT3; FAA3; MFS2; RIIC; LDS1B; LDS2B; TAAD2; TGFR-2; TGFbeta-RII

Gene ID

7048

mRNA Refseq

NM_001024847

Protein Refseq

NP_001020018

MIM

190182

UniProt ID

P37173

Chromosome Location

3p22

Pathway

ALK1 signaling events, organism-specific biosystem; Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Chronic myeloid leukemia, organism-specific biosystem; Chronic myeloid leukemia, conserved biosystem;

Function

ATP binding; SMAD binding; glycosaminoglycan binding; metal ion binding; nucleotide binding; protein binding; contributes_to protein binding; receptor activity; receptor signaling protein serine/threonine kinase activity; transforming growth factor beta binding; transforming growth factor beta binding; transforming growth factor beta-activated receptor activity; transforming growth factor beta-activated receptor activity; transforming growth factor beta-activated receptor activity; transmembrane receptor protein serine/threonine kinase activity; type I transforming growth factor beta receptor binding; type I transforming growth factor beta receptor binding; type III transforming growth factor beta receptor binding;

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