

TGF beta Receptor II Rabbit mAb

Catalog No.: A19124 **Recombinant** **1 Publications**

Basic Information

Observed MW

70-80 kDa, 90 kDa

Calculated MW

65kDa/67kDa/9kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Human

CloneNo number

ARC0407

Background

The protein encoded by this gene is a transmembrane protein that has a protein kinase domain, forms a heterodimeric complex with TGF-beta receptor type-1, and binds TGF-beta. This receptor/ligand complex phosphorylates proteins, which then enter the nucleus and regulate the transcription of genes related to cell proliferation, cell cycle arrest, wound healing, immunosuppression, and tumorigenesis. 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.

Recommended Dilutions

WB 1:5000 - 1:15000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

7048

Swiss Prot

P37173

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

AAT3; FAA3; LDS2; MFS2; RIIC; LDS1B; LDS2B; TAAD2; TBR1; TBR-ii; TGFR-2; tbetaR-II; TGFbeta-R1; TGF beta Receptor II (TGFR2)

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

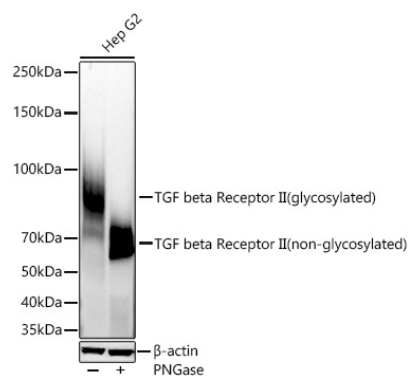
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from Hep G2 cells using TGF beta Receptor II Rabbit mAb (A19124) at 1:9000 dilution incubated overnight at 4°C. Hep G2 cells were treated by PNGase(1 µL) at 37°C for 30 minutes.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 µg per lane.

Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 45s.