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TGF beta Receptor I (TGFBR1) Rabbit mAb

Catalog No.: A22151   `Recombinant`   `1 Publications`

Basic Information

Observed MW
56kDa

Calculated MW
56kDa

Category
Primary antibody

Applications
WB,ELISA

Cross-Reactivity
Human

CloneNo number
ARC55592

Background

The protein encoded by this gene forms a heteromeric complex with type II TGF-beta receptors when bound to TGF-beta, transducing the TGF-beta signal from the cell surface to the cytoplasm. The encoded protein is a serine/threonine protein kinase. Mutations in this gene have been associated with Loeys-Dietz aortic aneurysm syndrome (LDAS). Multiple transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB   1:2000 - 1:8000

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

Immunogen Information

Gene ID   **Swiss Prot**
7046   P36897

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
AAT5; ALK5; ESS1; LDS1; MSSE; SKR4; TBRI; ALK-5; LDS1A; LDS2A; TBR-i; TGFR-1; ACVRLK4; tbetaR-I; TGF beta Receptor I (TGFBR1)

Contact

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Product Information

Source   **Isotype**   **Purification**
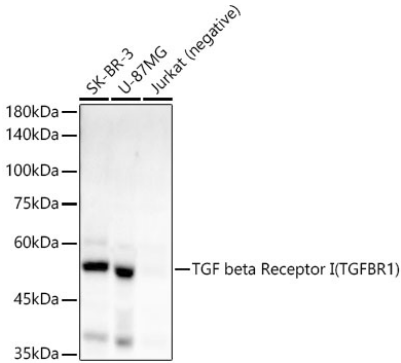Rabbit   IgG   Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data

Western blot analysis of various lysates using TGF beta Receptor I (TGFBR1) Rabbit mAb (A22151) at 1:2000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): Jurkat
Exposure time: 30s.