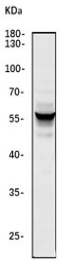
TGF-beta receptor type-1 Antibody / TGFBR1 (RQ6526)

Catalog No.	Formulation	Size
RQ6526	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P36897
Applications	Western blot: 1-2ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This TGF-beta receptor type-1 antibody is available for research use only.



Western blot testing of human HepG2 cell lysate with TGF-beta receptor type-1 antibody. Predicted molecular weight ~55 kDa.

Description

Transforming growth factor, beta receptor I is a TGF beta receptor. TGFBR1 is its human gene. 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. Mutations in this gene have been associated with Loeys-Dietz aortic aneurysm syndrome (LDAS). TGFB1 regulates cell cycle progression by a unique signaling mechanism that involves its binding to TGFBR2 and activation of TGFBR1. Both are transmembrane serine/threonine receptor kinases.

Application Notes

Optimal dilution of the TGF-beta receptor type-1 antibody should be determined by the researcher.

Immunogen

An E. coli-derived human protein (amino acids L34-K490) was used as the immunogen for the TGF-beta receptor type-1 antibody.

Storage

After reconstitution, the TGF-beta receptor type-1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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