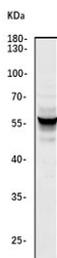


TGF-beta receptor type-1 Antibody / TGFBR1 (RQ6526)

| 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). TGFBR1 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.