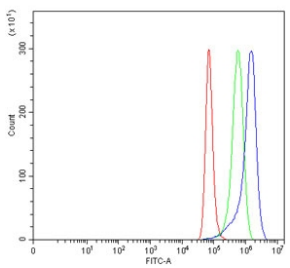
# TGF beta Receptor III Antibody / TGFBR3 (RQ7431)

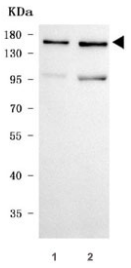
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ7431 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**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** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | Q03167 |
| **Applications** | Western blot: 0.5-1ug/ml<br>Flow cytometry: 1-3ug/million cells<br>Direct ELISA: 0.1-0.5ug/ml |
| **Limitations** | This TGF beta Receptor III antibody is available for research use only. |




Flow cytometry testing of human HeLa cells with TGF beta Receptor III antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= TGF beta Receptor III antibody.




Western blot testing of human 1) A549 and 2) HeLa cell lysate with TGF beta Receptor III antibody. Predicted molecular weight ~94 kDa but may be observed at higher molecular weights due to glycosylation.

## Description

Betaglycan also known as Transforming growth factor beta receptor III (TGFBR3), is a cell-surface chondroitin sulfate / heparan sulfate proteoglycan >300 kDa in molecular weight. This locus encodes the transforming growth factor (TGF)-beta type III receptor. The encoded receptor is a membrane proteoglycan that often functions as a co-receptor with other TGF-beta receptor superfamily members. Ectodomain shedding produces soluble TGFBR3, which may inhibit TGFB signaling. Decreased expression of this receptor has been observed in various cancers. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene.

## Application Notes

Optimal dilution of the TGF beta Receptor III antibody should be determined by the researcher.

## Immunogen

E. coli-derived recombinant human protein (amino acids H37-R649) was used as the immunogen for the TGF beta Receptor III antibody.

## Storage

After reconstitution, the TGF beta Receptor III 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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