

TGF-beta Receptor III Antibody
Goat Polyclonal Antibody
Catalog # ABV11028**Specification**

TGF-beta Receptor III Antibody - Product Information

Application	WB
Primary Accession	Q03167
Other Accession	NP_003234
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Isotype	Goat IgG
Calculated MW	93499

TGF-beta Receptor III Antibody - Additional Information**Gene ID** 7049**Application & Usage**

Western blotting (0.5-1 µg/ml). However, the optimal concentrations should be determined individually. The antibody recognizes human TGF-β Receptor III. Reactivity to other species has not been tested.

Other Names

Transforming growth factor-beta receptor type III, Transforming growth factor-beta receptor type 3, TGF-beta type III receptor, TbetaR-III; TGFR-3, TGFG3, TGFR 3

Target/Specificity

TGF-b Receptor III

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) antigen affinity purified goat polyclonal antibody in phosphate-buffered saline (PBS) containing 50% glycerol, 1% BSA, and 0.02% sodium azide.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

TGF-beta Receptor III Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TGF-beta Receptor III Antibody - Protein Information

Name TGFBR3 ([HGNC:11774](#))

Function

Binds to TGF-beta. Could be involved in capturing and retaining TGF-beta for presentation to the signaling receptors (By similarity). In gonadotrope cells, acts as an inhibin A coreceptor and regulates follicle-stimulating hormone (FSH) levels and female fertility (PubMed:34910520).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:P26342}; Single-pass type I membrane protein. Secreted {ECO:0000250|UniProtKB:P26342}. Secreted, extracellular space, extracellular matrix {ECO:0000250|UniProtKB:P26342}. Note=Exists both as a membrane-bound form and as soluble form in serum and in the extracellular matrix. {ECO:0000250|UniProtKB:P26342}

TGF-beta Receptor III Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TGF-beta Receptor III Antibody - Images**TGF-beta Receptor III Antibody - Background**

TGF- β (Transforming growth factor-beta superfamily members are critical regulators of cell proliferation, differentiation, morphogenesis, and pathogenesis. TGF-beta receptor is a serine/threonine kinase receptor complex that consists of two distinct transmembrane proteins known as type I and type II receptors. In response to ligand binding, the type II receptors form a stable complex with the type I receptors allowing phosphorylation and thus activation of the type I receptor kinases.