

**TGFBR3 Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2252a****Specification****TGFBR3 Antibody - Product Information**

Application	E, WB, FC
Primary Accession	<a href="#">Q03167</a>
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	93.4kDa KDa

**Description**

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 TGF-beta 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.

**Immunogen**

Purified recombinant fragment of human TGFBR3 (AA: 147-328 ) expressed in E. Coli.

**Formulation**

Ascitic fluid containing 0.03% sodium azide.

**TGFBR3 Antibody - Additional Information**

**Gene ID** 7049

**Other Names**

Transforming growth factor beta receptor type 3, TGF-beta receptor type 3, TGFR-3, Betaglycan, Transforming growth factor beta receptor III, TGF-beta receptor type III, TGFBR3

**Dilution**

E~~1/10000  
WB~~1/500 - 1/2000  
FC~~1/200 - 1/400

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

TGFBR3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**TGFBR3 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:<a href="http://www.uniprot.org/citations/34910520" target="\_blank">34910520</a>).

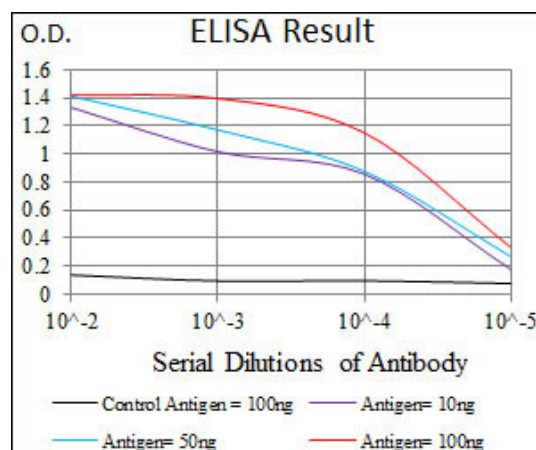
**Cellular Location**

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}

**TGFBR3 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](#)



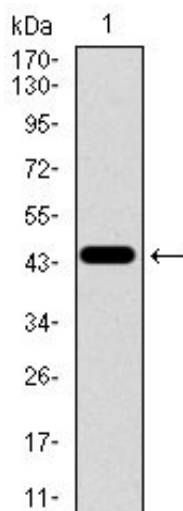


Figure 1: Western blot analysis using TGFBR3 mAb against human TGFBR3 recombinant protein. (Expected MW is 44.1 kDa)

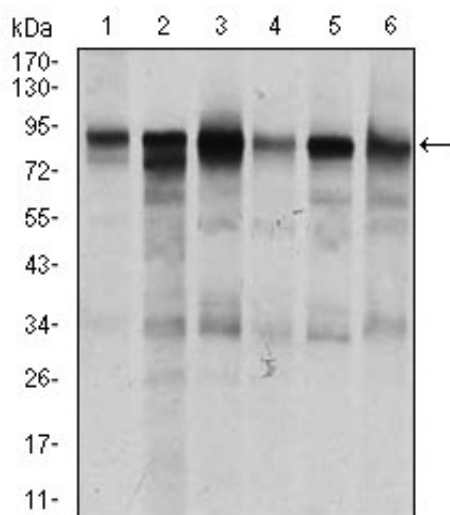


Figure 2: Western blot analysis using TGFBR3 mouse mAb against Jurkat (1), HeLa (2), MCF-7 (3), F9 (4), SK-N-SH (5), and NIH3T3 (6) cell lysate.

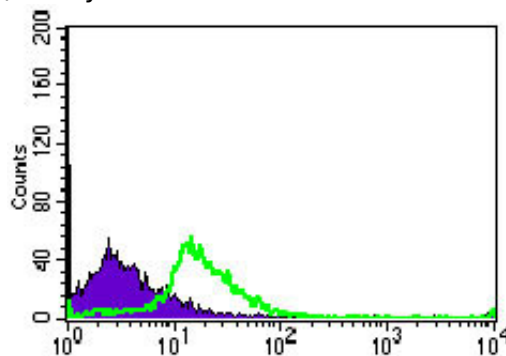


Figure 3: Flow cytometric analysis of MOLT4 cells using TGFBR3 mouse mAb (green) and negative control (purple).

#### TGFBR3 Antibody - References

1.Mol Biol Cell. 2011 May;22(9):1463-72. 2.Zhongguo Fei Ai Za Zhi. 2010 May;13(5):451-7.

