

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

Application	E, WB, FC
Primary Accession	Q03167
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:34910520).

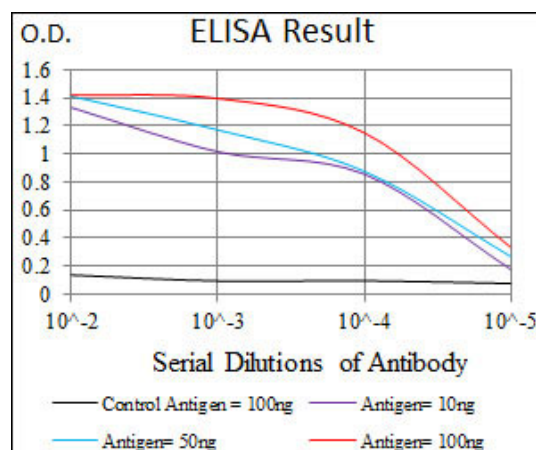
Cellular Location

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}

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](#)



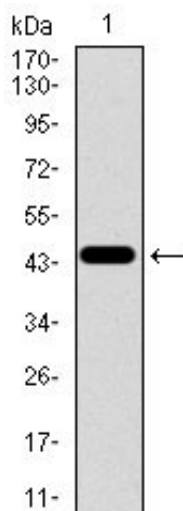


Figure 1: Western blot analysis using TGFBR3 mAb against human TGFBR3 recombinant protein. (Expected MW is 44.1 kDa)

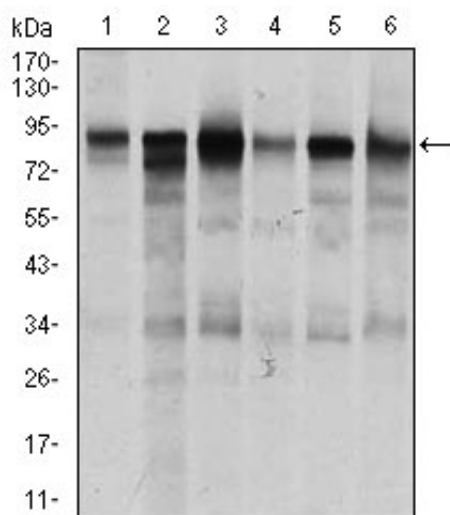


Figure 2: Western blot analysis using TGFBR3 mouse mAb against Jurkat (1), HeLa (2), MCF-7 (3), F9 (4), SK-N-SH (5), and NIH3T3 (6) cell lysate.

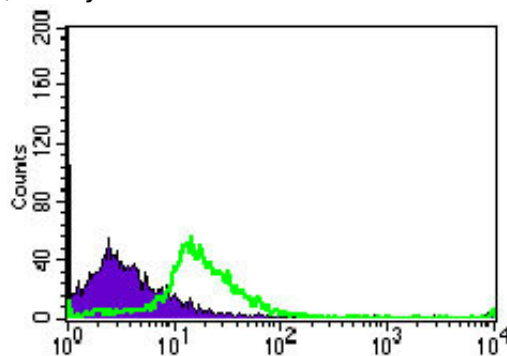


Figure 3: Flow cytometric analysis of MOLT4 cells using TGFBR3 mouse mAb (green) and negative control (purple).

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.

