Anti-TGFBR3 Antibody [H11-C5]

EM1709-07

Product Type:	Mouse monoclonal IgG2b, primary antibodies
Species reactivity:	Human, Mouse
Applications:	WB
Molecular Wt:	93 kDa
Clone number:	H11-C5

Description: A total of three members of the TGFβ family, TGFβ1, TGFβ2 and TGFβ3, have been identified in mammals. Each is synthesized as a latent precursor that is subsequently cleaved forming the 112 amino acid growth factor which becomes active upon dimerization. TGFβs mediate their activity by high affinity binding to the type II receptor transmembrane protein with a cytoplasmic serine-threonine kinase domain. TGFβ RIII (transforming growth factor beta receptor type 3), also known as TGFBR3 or TGFR-3, is an 850 amino acid secreted and single-pass type I membrane protein that contains one ZP domain and may assist in capturing TGFβ for presentation to signaling receptors. TGFβ RIII undergoes post-translational modification by glycosaminoglycan groups (GAG) and is encoded by a gene that maps to human chromosome 1p22.2.

Immunogen: Recombinant protein

Positive control: Human TGFBR3 recombinant protein, Jurkat, HeLa, MCF-7, F9, SK-N-SH, NIH3T3 cell lysate.

Subcellular location: Secreted, cell membrane.

Database links: SwissProt: Q03167 Human | O88393 Mouse

Recommended Dilutions:

WB 1:500-1:2,000

Storage Buffer: Purified antibody in PBS with 0.05% sodium azide.

Storage Instruction: 4℃; -20℃ for long term storage.

Purity: Protein A affinity purified.

Images

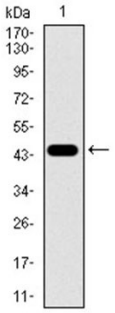

Fig1: Western blot analysis of TGFBR3 on human TGFBR3 recombinant protein using anti-TGFBR3 antibody at 1/1,000 dilution.

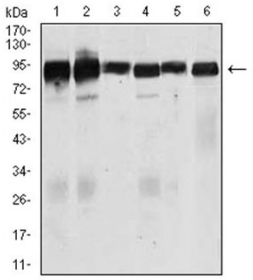

Fig2: Western blot analysis of TGFBR3 on different cell lysate using anti-TGFBR3 antibody at 1/1,000 dilution.
Positive control:
Line1:Jurkat Line2:HeLa Line3:MCF-7 Line4:F9 Line5:SK-N-SH Line6:NIH3T3

Background References

1. Lambert KE et al. The type III transforming growth factor-βreceptor inhibits proliferation, migration, and adhesion in human myeloma cells. Mol Biol Cell 22(9):1463-72 (2011).
2. Jiang X et al. [Defective expression of TGFBR3 gene and its molecular mechanisms in non-small cell lung cancer cell lines]. Chinese Journal of Lung Cancer 13(5):451-7 (2010).