

## Anti-TGFBR3 Antibody (5X141)

### Product Details

Reactivity:	Human,Mouse
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 93 kDa.
Clone:	5X141
Purification:	ProA affinity purified

### Applications

Application:	WB
Recommended	WB: 1:500-2000

### Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	Q03167
Synonyms:	transforming growth factor, $\beta$ receptor III; $\beta$ glycan;transforming growth factor, beta receptor III; betaglycan;BGCAN

### Research Background

A total of three members of the TGF $\beta$  family, TGF $\beta$ 1, TGF $\beta$ 2 and TGF $\beta$ 3, 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. TGF $\beta$ s mediate their activity by high affinity binding to the type II receptor transmembrane protein with a cytoplasmic serine-threonine kinase domain. TGF $\beta$  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 TGF $\beta$  for presentation to signaling receptors. TGF $\beta$  RIII undergoes post-translational modification by glycosaminoglycan groups (GAG) and is encoded by a gene that maps to human chromosome 1p22.2.

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