

For Research Use Only

TGFBR3 Polyclonal antibody

Catalog Number: 28992-1-AP



Basic Information

Catalog Number: 28992-1-AP	GenBank Accession Number: BC136295	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 7049	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	Full Name: transforming growth factor, beta receptor III	
Isotype: IgG	Observed MW: 130 kDa	
Immunogen Catalog Number: AG29397		

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : human placenta tissue,
Species Specificity: Human	

Background Information

Transforming growth factor β (TGF- β) is a multifunctional cytokine that plays important roles in normal development and homeostasis (PMID: 8530052). There are three TGF- β forms: TGF- β 1, TGF- β 2, and TGF- β 3. The diverse effects of TGF- β are mediated by the TGF- β receptors and cell surface-binding proteins. Three TGF- β receptors exist: TGFBR1, TGFBR2, TGFBR3 (PMID: 8530052; 30184463). TGFBR3, also known as betaglycan, is a transmembrane proteoglycan that often functions as a co-receptor with other TGF- β receptor superfamily members. In addition to the transmembrane form, the extracellular domain of TGFBR3 can be cleaved to a soluble form (sTGFBR3), which may serve as an antagonist of TGF- β to inhibit TGF- β signaling (PMID: 30184463). TGFBR3 has a larger apparent molecular weight than the calculated molecular weight, due to extensive carbohydrate modifications (PMID: 1556106).

Storage

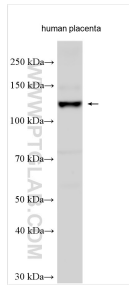
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Human placenta tissue was subjected to SDS PAGE followed by western blot with 28992-1-AP (TGFR3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.