

For Research Use Only

# TGFBR3 Polyclonal antibody

Catalog Number: 28992-1-AP



## Basic Information

<b>Catalog Number:</b> 28992-1-AP	<b>GenBank Accession Number:</b> BC136295	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 400 ug/ml	<b>GeneID (NCBI):</b> 7049	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q03167	
<b>Isotype:</b> IgG	<b>Full Name:</b> transforming growth factor, beta receptor III	
<b>Immunogen Catalog Number:</b> AG29397	<b>Observed MW:</b> 130 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : human placenta tissue,
<b>Species Specificity:</b> human	

## Background Information

Transforming growth factor  $\beta$  (TGF- $\beta$ ) is a multifunctional cytokine that plays important roles in normal development and homeostasis (PMID: 8530052). There are three TGF- $\beta$  forms: TGF- $\beta$  1, TGF- $\beta$  2, and TGF- $\beta$  3. The diverse effects of TGF- $\beta$  are mediated by the TGF- $\beta$  receptors and cell surface-binding proteins. Three TGF-beta 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-beta 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- $\beta$  to inhibit TGF- $\beta$  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**

For technical support and original validation data for this product please contact:

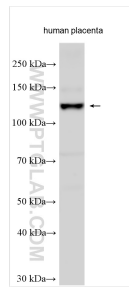
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## 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.