

For Research Use Only

TGFBR2 Polyclonal antibody

Catalog Number: 27212-1-AP **6 Publications**



Basic Information

Catalog Number: 27212-1-AP	GenBank Accession Number: BC040499	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 200 µg/ml by Nanodrop;	GeneID (NCBI): 7048	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: transforming growth factor, beta receptor II (70/80kDa)	
Isotype: IgG	Calculated MW: 65 kDa	
Immunogen Catalog Number: AG25767	Observed MW: 65-80 kDa	

Applications

Tested Applications: FC, IHC, WB, ELISA	Positive Controls:
Cited Applications: FC, IHC, WB	WB : A549 cells, MCF-7 cells, COLO320 cells
Species Specificity: human	IHC : human placenta tissue,
Cited Species: human, mouse, sheep	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

TGF beta Receptor II (TGFBR2) is a member of the transforming growth factor- β (TGF- β) superfamily, which are critical regulators of cell proliferation and differentiation, developmental patterning and morphogenesis, and disease pathogenesis (PMID: 10974075). TGFBR2 result in both SMAD4-dependent constraint of proliferation and SMAD4-independent activation of apoptosis (PMID: 29396446). It has some isoforms with the molecular weight of 70-80 kDa and ~90 kDa after glycosylated.

Notable Publications

Author	Pubmed ID	Journal	Application
Naqi Lian	36265204	Acta Histochem	WB
Tsung-Teng Huang	36267283	Front Pharmacol	WB,IHC
Jing Zhang	35028925	Reprod Sci	WB

Storage

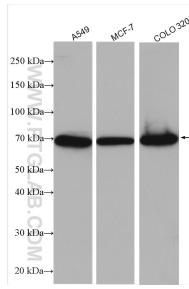
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

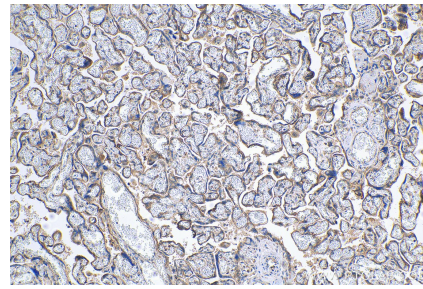
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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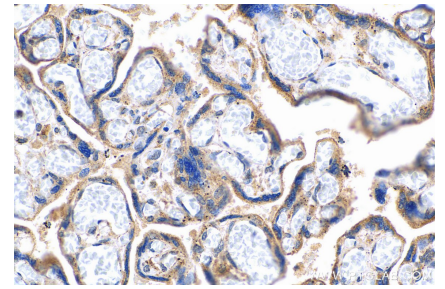
Selected Validation Data



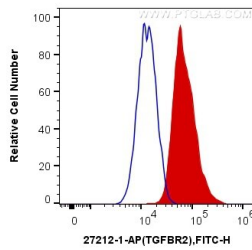
Various lysates were subjected to SDS PAGE followed by western blot with 27212-1-AP (TGFBR2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 27212-1-AP (TGFBR2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 27212-1-AP (TGFBR2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ THP-1 cells were intracellularly stained with 0.4 ug Anti-Human TGFBR2 (27212-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).