

For Research Use Only

TGFBR2 Polyclonal antibody

Catalog Number: 27212-1-AP

10 Publications



Basic Information

Catalog Number:

27212-1-AP

Size:

150ul, Concentration: 200 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25767

GenBank Accession Number:

BC040499

GeneID (NCBI):

7048

UNIPROT ID:

P37173

Full Name:

transforming growth factor, beta receptor II (70/80kDa)

Calculated MW:

65 kDa

Observed MW:

65-80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human, mouse, rat, sheep

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

Positive Controls:

WB : A549 cells, MCF-7 cells, COLO320 cells

IHC : human placenta tissue,

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

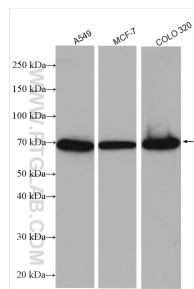
For technical support and original validation data for this product please contact:

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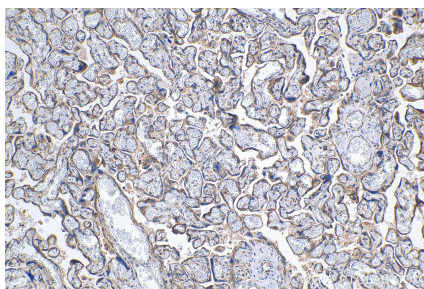
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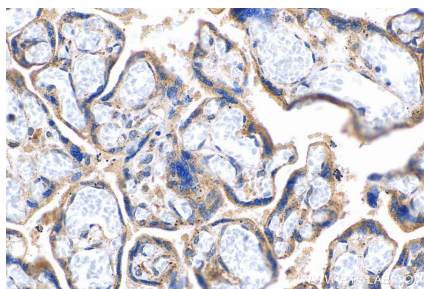
Selected Validation Data



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).