

For Research Use Only

# TGFBR2 Monoclonal antibody

Catalog Number: 66636-1-Ig

Featured Product

44 Publications



## Basic Information

Catalog Number:

66636-1-Ig

Concentration:

1000  $\mu$ g/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG25773

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:

Protein A purification

CloneNo.:

2D5H7

Recommended Dilutions:

WB 1:5000-1:20000

IHC 1:250-1:1000

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

Human, Mouse, Rat

Cited Species:

human, mouse, rat, goat

**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, HEK-293T cells, U2OS cells, THP-1  
cells, HSC-T6 cells, NIH/3T3 cells, NCCIT cells, L02  
cells, K-562 cells, HepG2 cells

IHC : human breast cancer tissue,

## Background Information

TGF beta Receptor II (TGFBR2) is a member of the transforming growth factor- $\beta$  (TGF- $\beta$ ) 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
Xiaoman Zhu	36096985	Cell Death Dis	WB
Dai-Fei Shen	33758354	Acta Pharmacol Sin	WB, IHC
Xiaoping Liu	35313911	Reprod Biol Endocrinol	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

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

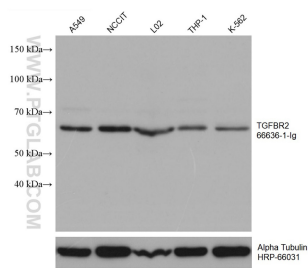
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

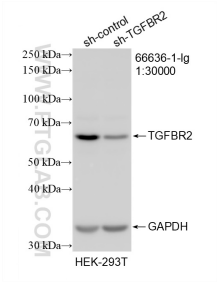
W: [ptgcn.com](http://ptgcn.com)

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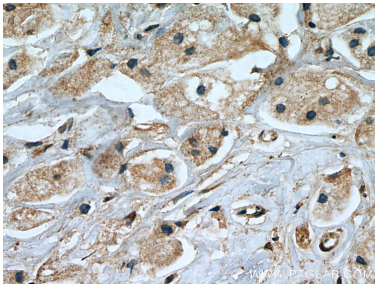
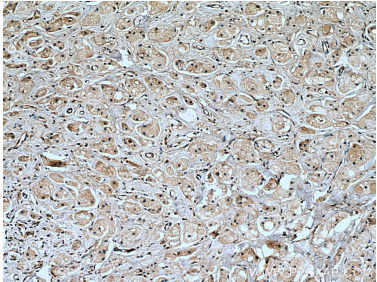
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66636-1-Ig (TGFBR2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



WB result of TGFBR2 antibody (66636-1-Ig; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TGFBR2 transfected HEK-293T cells.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66636-1-Ig (TGFBR2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).