

For Research Use Only

# TGFR2 Monoclonal antibody, PBS Only

Catalog Number: 66636-1-PBS

Featured Product



## Basic Information

Catalog Number:

66636-1-PBS

Size:

100ug, Concentration: 1000 ug/ml by 7048  
Nanodrop;

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

## Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

Human, Mouse, Rat

## Background Information

TGF beta Receptor II (TGFR2) 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). TGFR2 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.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

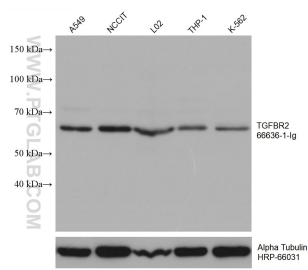
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

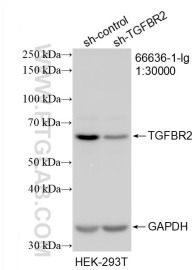
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

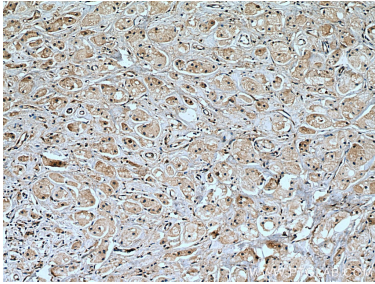
Selected Validation Data



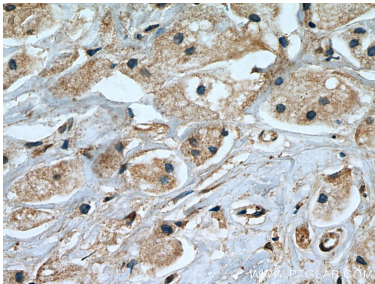
Various lysates were subjected to SDS PAGE followed by western blot with 66636-1-Ig (TGFBR2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control. This data was developed using the same antibody clone with 66636-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 66636-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66636-1-Ig (TGFBR2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66636-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66636-1-PBS in a different storage buffer formulation.