

For Research Use Only

TGFBR2 Monoclonal antibody

Catalog Number: 66636-1-Ig

Featured Product

28 Publications



Basic Information

Catalog Number: 66636-1-Ig	GenBank Accession Number: BC040499	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 7048	CloneNo.: 2D5H7
Source: Mouse	UNIPROT ID: P37173	Recommended Dilutions: WB 1:5000-1:20000 IHC 1:250-1:1000
Isotype: IgG1	Full Name: transforming growth factor, beta receptor II (70/80kDa)	
Immunogen Catalog Number: AG25773	Calculated MW: 65 kDa	
	Observed MW: 65-80 kDa	

Applications

Tested Applications:

FC, IHC, WB, ELISA

Cited Applications:

CoIP, IF, IHC, IP, WB

Species Specificity:

Human, Mouse , Rat

Cited Species:

human, goat, rat, mouse

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,

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
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

*** 20ul sizes contain 0.1% BSA

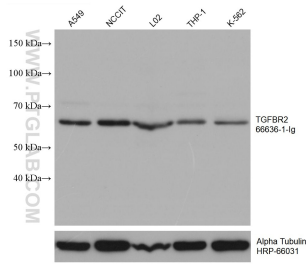
For technical support and original validation data for this product please contact:

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

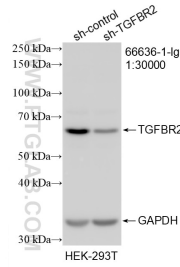
E: proteintech@ptglab.com
W: ptglab.com

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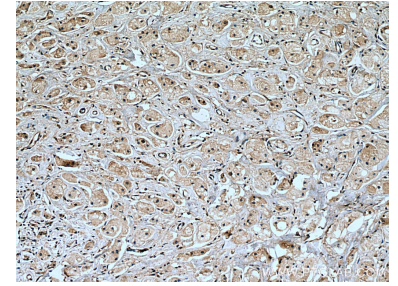
Selected Validation Data



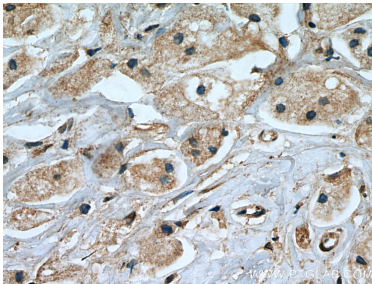
Various lysates were subjected to SDS PAGE followed by western blot with 66636-1-Ig (TGFBR2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



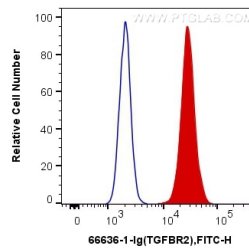
WB result of TGFBR2 antibody (66636-1-Ig; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TGFBR2 transfected HEK-293T cells.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66636-1-Ig (TGFBR2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



1×10^6 THP-1 cells were intracellularly stained with 0.13 μ g Anti-Human TGFBR2 (66636-1-Ig, Clone:2D5H7) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.13 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).