

For Research Use Only

TGFBR1 Polyclonal antibody, PBS Only

Catalog Number: 30117-1-PBS



Basic Information

Catalog Number:

30117-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31620

GenBank Accession Number:

NM_004612

GeneID (NCBI):

7046

UNIPROT ID:

P36897

Full Name:

transforming growth factor, beta receptor 1

Calculated MW:

56KD

Observed MW:

56 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

TGFBR1 (TGF-beta receptor type-1) encodes a serine/threonine kinase receptor for transforming growth factor-beta. TGFBR1, TGFBR2 and TGFBR3 signals are transduced from the cell surface to the cytoplasm and regulate lots of physiological and pathological processes including cell cycle arrest in epithelial and hematopoietic cells, control of mesenchymal cell proliferation and differentiation, wound healing, extracellular matrix production, immunosuppression and carcinogenesis. Mutations in both TGFBR2 and TGFBR1 were associated with early onset and aggressive thoracic aortic disease with MFS-like skeletal features, but also hypertelorism, craniosynostosis, developmental delay, cleft palate and bifid uvula, congenital heart disease and aneurysms, and dissections throughout the arterial tree with marked arterial tortuosity (PMID: 15731757, PMID: 27879313).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

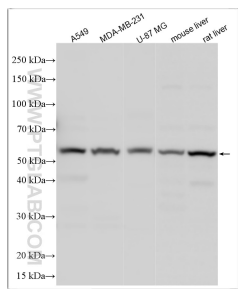
For technical support and original validation data for this product please contact:

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

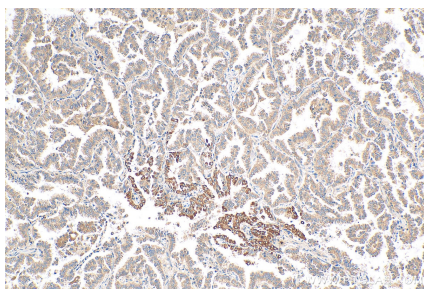
E: proteintech@ptglab.com
W: ptglab.com

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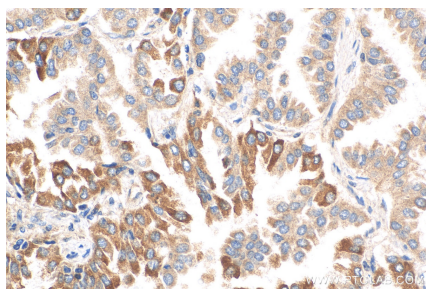
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30117-1-AP (TGFBR1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 30117-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 30117-1-AP (TGFBR1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30117-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 30117-1-AP (TGFBR1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 30117-1-PBS in a different storage buffer formulation.