

For Research Use Only

TGFBR1 Polyclonal antibody, PBS Only

Catalog Number:30117-1-PBS



Basic Information

Catalog Number: 30117-1-PBS	GenBank Accession Number: NM_004612	Purification Method: Antigen affinity purification
Size: 1 mg/ml	GeneID (NCBI): 7046	
Source: Rabbit	UNIPROT ID: P36897	
Isotype: IgG	Full Name: transforming growth factor, beta receptor 1	
Immunogen Catalog Number: AG31620	Calculated MW: 56KD	
	Observed MW: 56 kDa	

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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

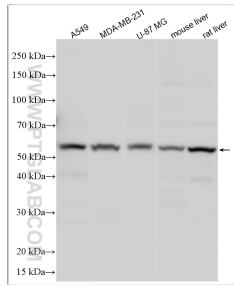
T: 4006900926

E: Proteintech-CN@ptglab.com

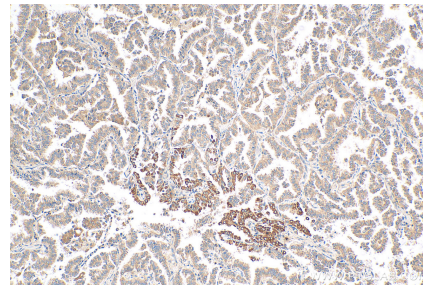
W: ptgcn.com

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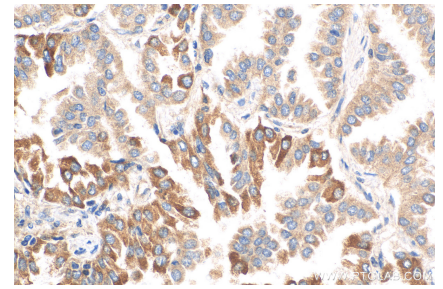
Selected Validation Data



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.