

TBXAS1 Polyclonal antibody

Catalog Number: 11321-1-AP 3 Publications

Basic Information

Catalog Number: 11321-1-AP	GenBank Accession Number: BC014117	Purification Method: Antigen affinity purification
Size: 290 µg/ml	GeneID (NCBI): 6916	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: P24557	
Isotype: IgG	Full Name: thromboxane A synthase 1 (platelet)	
Immunogen Catalog Number: AG1807	Calculated MW: 60 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : A549 cells, human colon tissue IHC : human lung cancer tissue,
Cited Applications: WB, IF, IHC	
Species Specificity: human, mouse, rat	
Cited Species: human	
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

TBXAS1 catalyzes the conversion of the prostaglandin endoperoxide into thromboxane A2 as a potent vasoconstrictor and inducer of platelet aggregation. It was identified as novel airway fibroblast-specific markers with integrin-8 (ITGA8) (PMID:20435685). It was observed in the epithelium. It is a monomer with the molecular weight of 60 kDa. It also has two variants with 60.5 kDa and 52.3 kDa (PMID:1730669). It also reveals a molecular weight of 55 kDa in human uterus (PMID:1386258).

Notable Publications

Author	Pubmed ID	Journal	Application
Mousa Ahmad A AA	22493072	Hypertension	WB, IHC
Singh Shailendra R SR	20435685	Am J Physiol Lung Cell Mol Physiol	IHC, IF
Shailendra R Singh	24886333	Respir Res	IF

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:

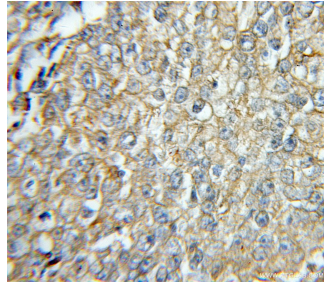
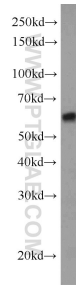
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 11321-1-AP (TBXAS1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human lung cancer using 11321-1-AP (TBXAS1 antibody) at dilution of 1:50 (under 10x lens).