

For Research Use Only

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: 150ul , Concentration: 287 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6916	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200
Source: Rabbit	Full Name: thromboxane A synthase 1 (platelet)	
Isotype: IgG	Calculated MW: 60 kDa	
Immunogen Catalog Number: AG1807	Observed MW: 60 kDa	

Applications

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

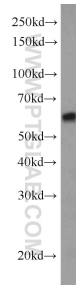
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

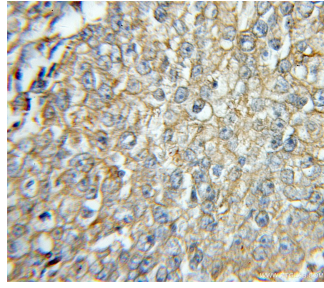
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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).