

For Research Use Only

TBXAS1 Monoclonal antibody

Catalog Number: 67371-1-Ig

Featured Product

1 Publications



Basic Information

Catalog Number: 67371-1-Ig	GenBank Accession Number: BC014117	Purification Method: Protein A purification
Size: 150ul, Concentration: 1900 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6916	CloneNo.: 1F6G6
Source: Mouse	Full Name: thromboxane A synthase 1 (platelet)	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1000-1:4000
Isotype: IgG2a	Calculated MW: 60 kDa	
Immunogen Catalog Number: AG29177	Observed MW: 52 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

Human, mouse, pig

Cited Species:

mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: human peripheral blood platelets, A549 cells, human placenta tissue, pig blood

IHC: human lung cancer tissue,

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
Katharina Mederle	26017977	Am J Physiol Renal Physiol	WB, IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

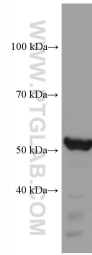
For technical support and original validation data for this product please contact:

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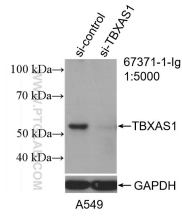
E: proteintech@ptglab.com
W: ptglab.com

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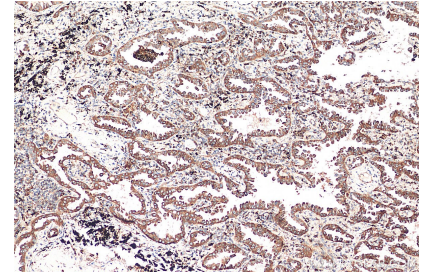
Selected Validation Data



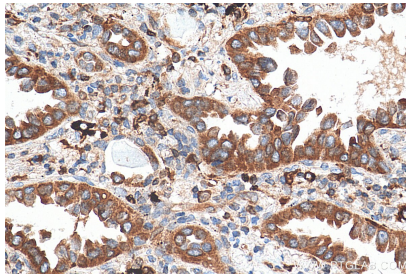
Human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 67371-1-Ig (TBXAS1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



WB result of TBXAS1 antibody (67371-1-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TBXAS1 transfected A549 cells.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67371-1-Ig (TBXAS1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67371-1-Ig (TBXAS1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).