

For Research Use Only

# TBXAS1 Monoclonal antibody, PBS Only



Catalog Number: 67371-1-PBS

Featured Product

## Basic Information

Catalog Number:

67371-1-PBS

Size:

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

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG29177

GenBank Accession Number:

BC014117

GeneID (NCBI):

6916

UNIPROT ID:

P24557

Full Name:

thromboxane A synthase 1 (platelet)

Calculated MW:

60 kDa

Observed MW:

52 kDa

Purification Method:

Protein A purification

CloneNo.:

1F6G6

## Applications

Tested Applications:

Indirect ELISA, IHC, WB

Species Specificity:

pig, mouse, human

## 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).

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

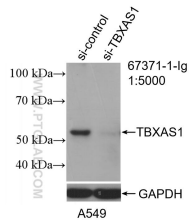
For technical support and original validation data for this product please contact:

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

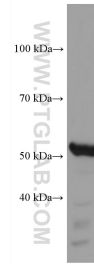
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

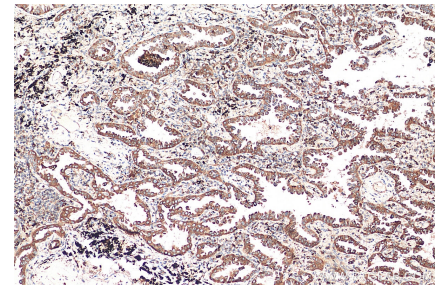
## Selected Validation Data



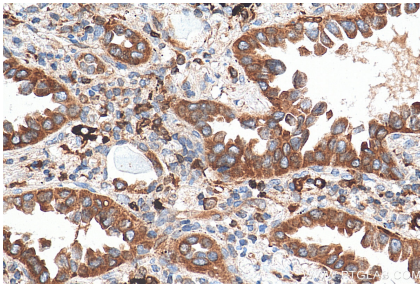
WB result of TBXAS1 antibody (67371-1-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TBXAS1 transfected A549 cells. This data was developed using the same antibody clone with 67371-1-PBS in a different storage buffer formulation.



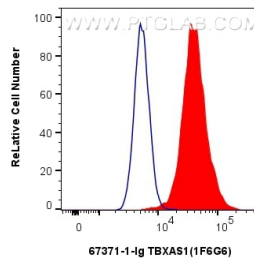
Human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 67371-1-Ig (TBXAS1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67371-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67371-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67371-1-PBS in a different storage buffer formulation.



$1 \times 10^6$  A549 cells were intracellularly stained with 0.8 ug TBXAS1 Monoclonal antibody (67371-1-Ig, Clone:1F6G6) and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.8 ug Mouse IgG2a isotype control Mouse McAb (66360-2-Ig, Clone: 11A1B2) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 67371-1-PBS in a

