

For Research Use Only

TBXAS1 Monoclonal antibody, PBS Only

Catalog Number: 67371-1-PBS

Featured Product



Basic Information

Catalog Number:

67371-1-PBS

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:

WB, IHC, FC (Intra), Indirect ELISA

Species Specificity:

human, mouse, pig

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.

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

Storage Buffer:

PBS only, pH7.3

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

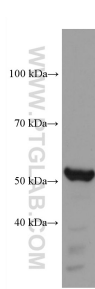
T: 4006900926

E: Proteintech-CN@ptglab.com

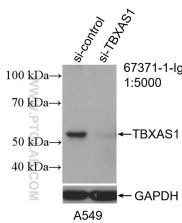
W: ptgcn.com

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

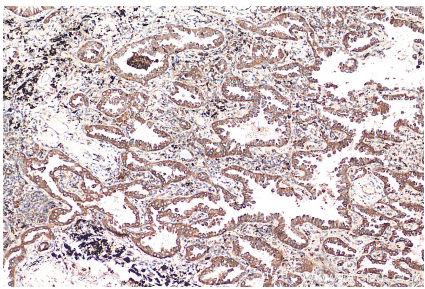
Selected Validation Data



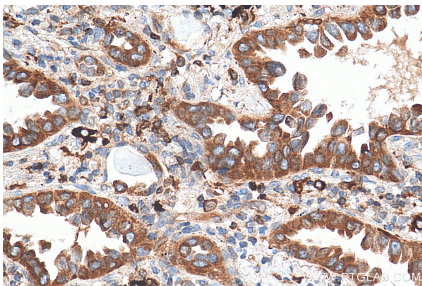
Human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 67371-1-Ig (TBXAS1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67371-1-PBS in a different storage buffer formulation.



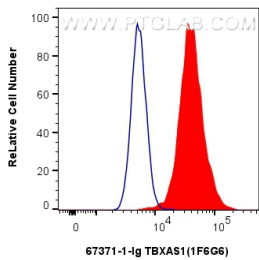
WB result of TBXAS1 antibody (67371-1-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TBXAS1 transfected A549 cells. This data was developed using the same antibody clone with 67371-1-PBS in a different storage buffer formulation.



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.



1x10⁶ 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. This data was developed using the same antibody clone with 67371-1-PBS in a different storage buffer

