

TBXAS1 Polyclonal antibody

Catalog Number: 11321-1-AP

3 Publications

Basic Information

Catalog Number:

11321-1-AP

Size:

150ul , Concentration: 287 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1807

GenBank Accession Number:

BC014117

GeneID (NCBI):

6916

UNIPROT ID:

P24557

Full Name:

thromboxane A synthase 1 (platelet)

Calculated MW:

60 kDa

Observed MW:

60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

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

Positive Controls:

WB : A549 cells, human colon tissue

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
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

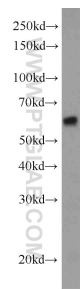
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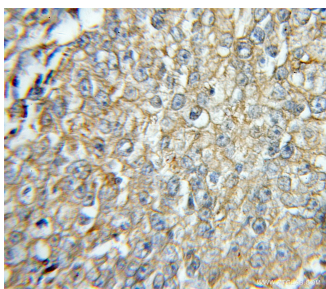
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Selected Validation Data



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).