

For Research Use Only

PAFAH Polyclonal antibody

Catalog Number: 29304-1-AP

1 Publications



Basic Information

Catalog Number:

29304-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30947

GenBank Accession Number:

BC038452

GeneID (NCBI):

7941

UNIPROT ID:

Q13093

Full Name:

phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)

Calculated MW:

50 kDa

Observed MW:

29-30 kDa, 45-55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:4000

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

Human, mouse, rat

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: RAW 264.7 cells, mouse liver tissue, rat liver tissue

IHC: human prostate cancer tissue,

Background Information

Platelet-activating factor acetylhydrolase (PAFAH) Ib consists of homo- or heterodimers of two PLA2 subunits $\alpha 1$ and $\alpha 2$, and a dimer of a third subunit, LIS1. PAFAH Ib was first discovered by its ability to hydrolyze the extracellular signaling lipid, PAF, which plays a role in platelet activation and inflammation. LIS1, the causative agent of the fatal brain disorder Miller-Dieker lissencephaly, functions independently of the α subunits to regulate the activity of cytoplasmic dynein. LIS1 is a highly conserved protein involved in dynein-mediated processes including nuclear and neuronal migration, centrosomal function, and mitotic spindle orientation. (PMID: 20624900, PMID: 23262398)

Notable Publications

Author	Pubmed ID	Journal	Application
Wei Zhang	39610106	Neural Regen Res	WB,IF

Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

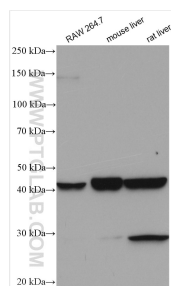
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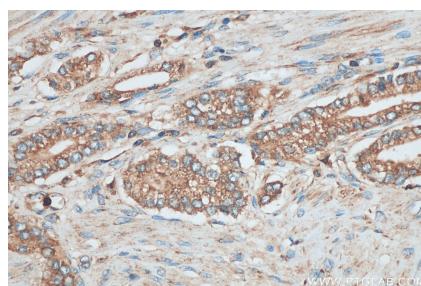
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W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29304-1-AP (PAFAH antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 29304-1-AP (PAFAH antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).