

For Research Use Only

# PAFAH Polyclonal antibody

Catalog Number: 29304-1-AP



## Basic Information

<b>Catalog Number:</b> 29304-1-AP	<b>GenBank Accession Number:</b> BC038452	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7941	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 50 kDa	
<b>Immunogen Catalog Number:</b> AG30947	<b>Observed MW:</b> 29-30 kDa, 45-55 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, mouse, rat	<b>WB :</b> RAW 264.7 cells, mouse liver tissue, rat liver tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> 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  $\alpha$  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)

## Storage

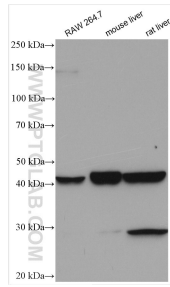
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

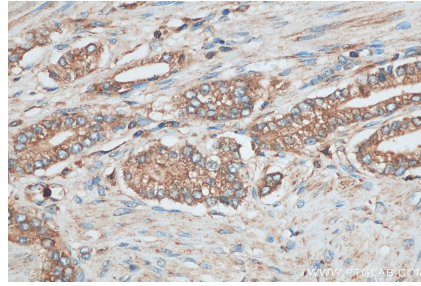
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## Selected Validation Data



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).