

For Research Use Only

# PAFAH Polyclonal antibody

Catalog Number: 15526-1-AP

Featured Product

8 Publications



## Basic Information

<b>Catalog Number:</b> 15526-1-AP	<b>GenBank Accession Number:</b> BC038452	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 550 µg/ml by Nanodrop and 247 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 7941	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IHC 1:50-1:500 IF 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> AG7227	<b>Observed MW:</b> 43-67 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Cited Applications:

IF, WB

### Species Specificity:

human, mouse

### Cited Species:

human, 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 spleen tissue, mouse liver tissue, RAW264.7

**IHC** : human tonsillitis tissue, human prostate cancer tissue

**IF** : RAW 264.7 cells,

## Background Information

PAFAH(platelet-activating factor acetylhydrolase, plasma) is also named as PLA2G7(phospholipase A2, group VII), Lp-PLA2 (Lipoprotein-associated phospholipase A2), LDL-PLA2, LDL-PLA and belongs to the AB hydrolase superfamily and lipase family. It is an enzyme which catalyzes the hydrolysis of acetyl ester at the sn-2 position of PAF. The family of PAF-Ahs consists of two intracellular isoforms (Ib and II), and one secreted isoform (plasma). Plasma PAF-AH is a monomeric polypeptide with a molecular weight of 45 kDa and it can show broad bands with a molecular weight of 43-67 kDa that it can be extensively N-glycosylated(PMID:12547653). Defects in PLA2G7 are the cause of platelet-activating factor acetylhydrolase deficiency (PAFAD), susceptibility to asthma (ASTHMA), susceptibility to atopic hypersensitivity (ATOPY).

## Notable Publications

Author	Pubmed ID	Journal	Application
Hui San Chin	30478310	Nat Commun	WB
Jacob T Boyd	34140694	Nat Metab	IF, WB
Junyi Wang	35091537	Cell Death Discov	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

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)

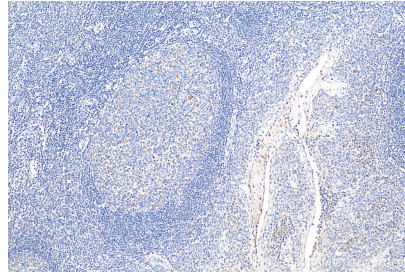
E: proteintech@ptglab.com  
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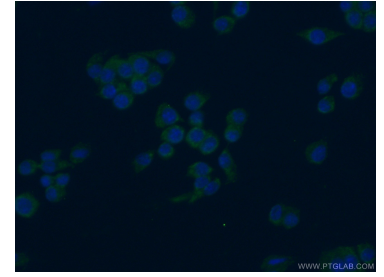
## Selected Validation Data



RAW264.7 cells were subjected to SDS PAGE followed by western blot with 15526-1-AP (PAFAH antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 15526-1-AP (PAFAH antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed RAW 264.7 cells using 15526-1-AP (PAFAH antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).