

For Research Use Only

# PAFAH Polyclonal antibody

Catalog Number: 15526-1-AP

Featured Product

10 Publications



## Basic Information

### Catalog Number:

15526-1-AP

### Size:

550 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG7227

### 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:

43-67 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse

### Cited Species:

human, mouse

### Positive Controls:

**WB**: RAW 264.7 cells, mouse spleen tissue, mouse liver tissue, RAW264.7

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

**IF/ICC**: RAW 264.7 cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## 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

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

T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

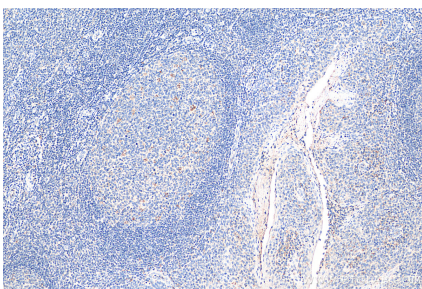
W: [ptgcn.com](http://ptgcn.com)

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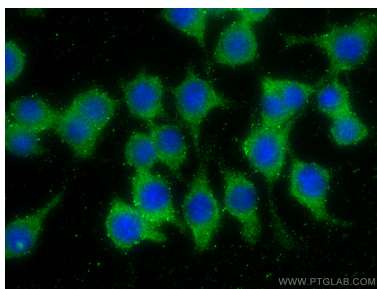
## Selected Validation Data



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 Methanol) fixed RAW 264.7 cells using PAFAH antibody (15526-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).