

For Research Use Only

PAFAH Polyclonal antibody

Catalog Number: 15526-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

15526-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop and 347 ug/ml by Bradford method using BSA as the standard;

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

*** 20ul sizes contain 0.1% BSA

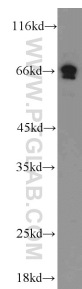
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

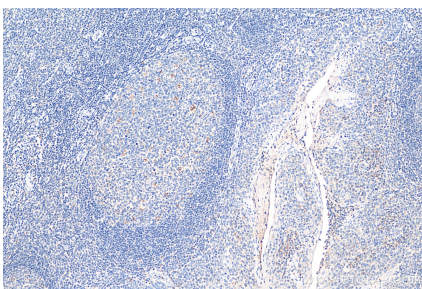
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

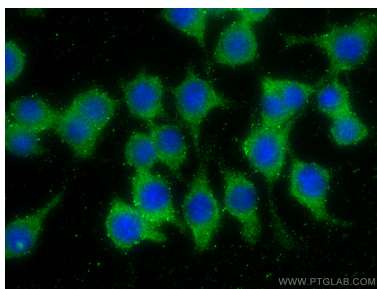
Selected Validation Data



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).