

## PLA2G7 Rabbit pAb

Catalog Number: bs-1451R

Target Protein: PLA2G7

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted:Dog)

Predicted MW: 48 kDa

Entrez Gene: 7941

Swiss Prot: Q13093

Source: KLH conjugated synthetic peptide derived from human PAFAH: 301-441/441.

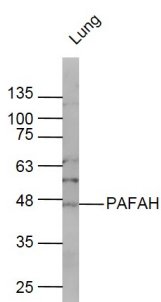
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

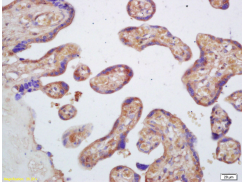
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** This gene encodes platelet-activating factor acetylhydrolase isoform 2, a single-subunit intracellular enzyme that catalyzes the removal of the acetyl group at the SN-2 position of platelet-activating factor (identified as 1-O-alkyl-2-acetyl-sn-glycerol-3-phosphorylcholine). However, this lipase exhibits a broader substrate specificity than simply platelet activating factor. Two other isoforms of intracellular platelet-activating factor acetylhydrolase exist, and both are multi-subunit enzymes. Additionally, there is a single-subunit serum isoform of this enzyme.

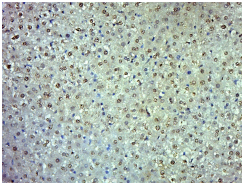
### VALIDATION IMAGES



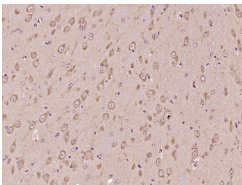
Sample: Lung (Rat) Lysate at 40 ug Primary: Anti-PAFAH (bs-1451R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48 kD Observed band size: 48 kD



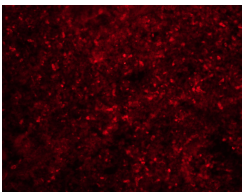
Tissue/cell: human placenta tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-PAFAH2/Lp-PLA2 Polyclonal Antibody, Unconjugated(bs-1451R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PAFAH) Polyclonal Antibody, Unconjugated (bs-1451R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PAFAH) Polyclonal Antibody, Unconjugated (bs-1451R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat spleen tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-PAFAH2 Polyclonal Antibody, Unconjugated(bs-1451R) 1:200, overnight at 4°C; The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3) used at 1:200 dilution for 40 minutes at 37°C.

## PRODUCT SPECIFIC PUBLICATIONS

[IF=4.8] Yangyang Tao. et al. Melatonin suppresses atherosclerosis by ferroptosis inhibition via activating NRF2 pathway. FASEB J. 2024 May;38(10):e23678 WB,IF ; Mouse . 38780199

[IF=3.71] Rosing, Katharina, et al. Everolimus therapy is associated with reduced lipoprotein-associated phospholipase A2 (Lp-Pla2) activity and oxidative stress in heart transplant recipients. Atherosclerosis. 2013 Sep;230(1):164-70. WB ; ="Human" . 23958269

[IF=3.6] Zhiyu Li. et al. Metformin suppresses metabolic dysfunction-associated fatty liver disease by ferroptosis and apoptosis via activation of oxidative stress. FREE RADICAL RES. 2024 Oct 18 IF,WB ; Human . 39422606

[IF=2.93] Wang, Gangqi, et al. "Nitro-oleic acid downregulates lipoprotein-associated phospholipase A2 expression via the p42/p44 MAPK and NF [kgr] B pathways." Scientific Reports 4 (2014). WB ; ="Human" . 24809325

[IF=2.1] Han et al. Apolipoprotein CIII regulates lipoprotein-associated phospholipase A2 expression via the MAPK and NFkB pathways. (2015) Biol.Open. 4:661-5 WB ; Porcine . 25836672