

PAFAH2 Rabbit pAb

PAFAH2 Rabbit pAb

Catalog # AP57817

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q99487
Reactivity	Rat, Mouse
Predicted	Pig, Human, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44036
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PAFAH2
Epitope Specificity	31-130/392
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasmic
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	5051
Other Names	Platelet-activating factor acetylhydrolase 2, cytoplasmic, 3.1.1.47, PAF:lysophospholipid transacetylase, hSD-PLA2, PAFAH2 (HGNC:8579)
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

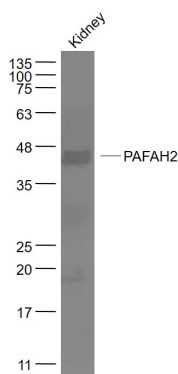
Protein Information

Name	PAFAH2 (HGNC:8579)
Function	Catalyzes the hydrolyze of the acetyl group at the sn-2 position of platelet-activating factor (PAF) and its analogs, leading to their inactivation (PubMed: 9494101). Hydrolyzes propionyl and butyroyl moieties approximately half as effectively as PAF (By similarity). Also catalyzes transacetylation of the acetyl group from platelet-activating factor (PAF) to lysoplasmalogen and to sphingosine, producing plasmalogen analogs of PAF and N-acetylsphingosine (C2- ceramide) respectively. Has a marked selectivity for phospholipids with short acyl chains at the sn-2 position (By similarity).
Cellular Location	Cytoplasm. Membrane {ECO:0000250 UniProtKB:P79106}; Lipid-anchor {ECO:0000250 UniProtKB:P79106}. Endoplasmic reticulum membrane {ECO:0000250 UniProtKB:P79106}; Lipid-anchor {ECO:0000250 UniProtKB:P79106}. Note=In resting cells, localizes to intracellular membranes and cytoplasm. Translocates from the cytoplasm to intracellular membranes upon oxidative stress {ECO:0000250 UniProtKB:P79106}
Tissue Location	Broadly expressed in different tissues, but high in B- and T-lymphocytes. In brain, expression is restricted to amygdala and frontal cortex.

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Images



Sample:

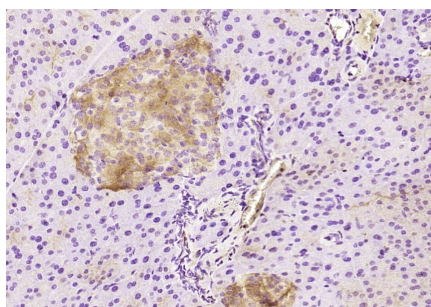
Kidney (Mouse) Lysate at 40 ug

Primary: Anti- PAFAH2 (AP57817) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 44 kD

Observed band size: 44 kD



Paraformaldehyde-fixed, paraffin embedded (mouse pancreas); 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 (PAFAH2) Polyclonal Antibody, Unconjugated (AP57817) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.