

PAFAH2 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17398c

Specification

PAFAH2 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q99487
Other Accession	Q8VDG7 , NP_000428.2
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	44036
Antigen Region	249-276

PAFAH2 Antibody (Center) - Additional Information

Gene ID 5051

Other Names

Platelet-activating factor acetylhydrolase 2, cytoplasmic, Serine-dependent phospholipase A2, SD-PLA2, hSD-PLA2, PAFAH2

Target/Specificity

This PAFAH2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 249-276 amino acids from the Central region of human PAFAH2.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PAFAH2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PAFAH2 Antibody (Center) - 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 butyryl 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

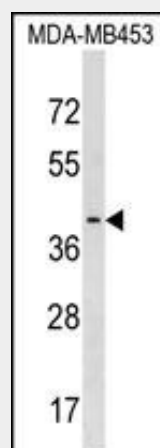
Broadly expressed in different tissues, but high in B- and T-lymphocytes. In brain, expression is restricted to amygdala and frontal cortex.

PAFAH2 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PAFAH2 Antibody (Center) - Images



PAFAH2 Antibody (Center) (Cat. #AP17398c) western blot analysis in MDA-MB453 cell line lysates (35ug/lane). This demonstrates the PAFAH2 antibody detected the PAFAH2 protein (arrow).

PAFAH2 Antibody (Center) - 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.

PAFAH2 Antibody (Center) - References

Schmidt, E.B., et al. Atherosclerosis 196(1):420-424(2008)
Umemura, K., et al. Stroke 38(3):1063-1068(2007)
Unno, N., et al. J. Surg. Res. 134(1):36-43(2006)
Marques, M., et al. J. Invest. Dermatol. 119(4):913-919(2002)
Min, J.H., et al. Biochemistry 40(15):4539-4549(2001)