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PAFAH1B2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP18354c

Specification

PAFAH1B2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession P68402

PAFAH1B2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 5049

Other Names
Platelet-activating factor acetylhydrolase IB subunit beta, PAF acetylhydrolase 30 kDa subunit, PAF-AH 30 kDa subunit, PAF-AH subunit beta, PAFAH subunit beta, PAFAH1B2, PAFAHB

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PAFAH1B2 Antibody (Center) Blocking Peptide - Protein Information

Name PAFAH1B2 (HGNC:8575)

Synonyms PAFAHB

Function
Alpha2 catalytic subunit of the cytosolic type I platelet- activating factor (PAF) acetylhydrolase (PAF-AH (I)) heterotetrameric enzyme that catalyzes the hydrolyze of the acetyl group at the sn-2 position of PAF and its analogs and modulates the action of PAF. The activity and substrate specificity of PAF-AH (I) are affected by its subunit composition. The alpha2/alpha2 homodimer (PAFAH1B2/PAFAH1B2 homodimer) hydrolyzes PAF and 1-O-alkyl-2-acetyl-sn-glycero-3-phosphorylethanolamine (AAGPE) more efficiently than 1-O-alkyl-2- acetyl-sn-glycero-3-phosphoric acid (AAGPA). In contrast, the alpha1/alpha2 heterodimer(PAFAH1B3/PAFAH1B3 heterodimer) hydrolyzes AAGPA more efficiently than PAF, but has little hydrolytic activity towards AAGPE (By similarity). May play a role in male germ cell meiosis during the late pachytenestage and meiotic divisions as well as early spermiogenesis (By similarity).

Cellular Location
Cytoplasm.

Tissue Location

Ubiquitous..

PAFAH1B2 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

PAFAH1B2 Antibody (Center) Blocking Peptide - Images

PAFAH1B2 Antibody (Center) Blocking Peptide - Background

Platelet-activating factor acetylhydrolase (PAFAH)inactivates platelet-activating factor (PAF) into acetate andLYSO-PAF. This gene encodes the beta subunit of PAFAH, the othersubunits are alpha and gamma. Multiple alternatively splicedtranscript variants that encode different protein isoforms havebeen described for this gene.

PAFAH1B2 Antibody (Center) Blocking Peptide - References

Ding, C., et al. J. Cell. Sci. 122 (PT 16), 2820-2827 (2009) :Scott, B.T., et al. Prostaglandins Other Lipid Mediat. 85 (3-4), 69-80 (2008) :Hasstedt, S.J., et al. Thromb. Haemost. 98(3):587-592(2007)Olsen, J.V., et al. Cell 127(3):635-648(2006)Sheffield, P.J., et al. Protein Eng. 14(7):513-519(2001)