

PAFAH1B2 Blocking Peptide(S64)

Synthetic peptide

Catalog # BP3773a

Specification

PAFAH1B2 Blocking Peptide(S64) - Product Information

Primary Accession

[P68402](#)

Other Accession

[O35264](#), [Q61206](#), [Q5ZMS2](#), [P68401](#),
[NP_001171677.1](#), [NP_002563.1](#)**PAFAH1B2 Blocking Peptide(S64) - 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

Target/Specificity

The synthetic peptide sequence is selected from aa 56-70 of HUMAN PAFAH1B2

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 Blocking Peptide(S64) - Protein InformationName 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 Blocking Peptide(S64) - Protocols

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

- [Blocking Peptides](#)

PAFAH1B2 Blocking Peptide(S64) - Images**PAFAH1B2 Blocking Peptide(S64) - Background**

Platelet-activating factor acetylhydrolase (PAFAH) inactivates platelet-activating factor (PAF) into acetate and LYSO-PAF. This gene encodes the beta subunit of PAFAH, the other subunits are alpha and gamma. Multiple alternatively spliced transcript variants that encode different protein isoforms have been described for this gene.

PAFAH1B2 Blocking Peptide(S64) - 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)
Sheffield, P.J., et al. Protein Eng. 14(7):513-519(2001)
Sweeney, K.J., et al. Mech. Dev. 92(2):263-271(2000)