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Zuschläge

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- Trockeneiszuschlag
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PRODUCT INFORMATION



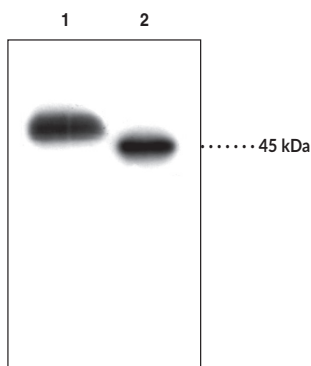
PAF Acetylhydrolase (human) Polyclonal Antibody

Item No. 160603

Overview and Properties

Contents:	This vial contains 500 µl of peptide affinity-purified polyclonal antibody
Synonyms:	Lp-PLA ₂ , PAF-AH, Platelet-activating Factor Receptor Acetylhydrolase
Immunogen:	Synthetic peptide corresponding to the C-terminal region of human PAF-AH
Cross Reactivity:	(+) PAF-AH
Species Reactivity:	(+) Human; (-) Mouse
Uniprot No.:	Q13093
Form:	Liquid
Storage:	-20°C (as supplied)
Stability:	≥3 years
Storage Buffer:	TBS, pH 7.4, with 50% glycerol, 0.1% BSA, and 0.02% sodium azide
Host:	Rabbit
Application:	Western blot (WB); the recommended starting dilution is 1:200. Other applications were not tested, therefore optimal working concentration/dilution should be determined empirically.

Image



Lane 1: LDL fraction from human plasma
Lane 2: Recombinant human PAF-AH (20 ng)

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY
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PRODUCT INFORMATION



Description

Platelet-activating factor acetylhydrolase (PAF-AH) is a calcium-independent member of the phospholipase A₂ (PLA₂) family that hydrolyzes the acetyl group at the *sn*-2 position of PAF, a phospholipid mediator involved in a variety of biological activities.^{1,2} There are three types of PAF-AH: two intracellular forms, PAF-AH1 and PAF-AH2, which are ubiquitously expressed, and an extracellular form, lipoprotein-associated phospholipase A₂ (Lp-PLA₂), which is found in the plasma in association with LDL and HDL.³⁻⁵ Unlike PAF-AH1, which is largely restricted to hydrolysis of PAF, PAF-AH2 and Lp-PLA₂ exhibit broader substrate specificity, hydrolyzing phospholipids with oxidized or short *sn*-2 acyl chains in addition to PAF.^{2,3} PAF-AH1 has roles in neuronal development, protein trafficking, and spermatogenesis, and PAF-AH2 and Lp-PLA₂ have a protective roles against oxidative stress and atherosclerosis, respectively.⁶ Cayman's PAF-acetylhydrolase (human) Polyclonal Antibody can be used for Western blot (WB) applications.

References

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