9F, No. 108, Jhouzih St.,Taipei, Taiwan
Tel: + 886-2-8751-1888 Fax: + 886-2-6602-1218
E-mail: sales@abnova.com

Datasheet

SMPD1 polyclonal antibody

Catalog Number: PAB9751

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of SMPD1.

Immunogen: A synthetic peptide corresponding to human SMPD1.

Host: Rabbit

Reactivity: Human

Applications: ELISA, WB
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Recommend Usage: The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.08% sodium azide)

Storage Instruction: Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 6609

Gene Symbol: SMPD1

Gene Alias: ASM, NPD

Gene Summary: The protein encoded by this gene is a lysosomal acid sphingomyelinase that converts sphingomyelin to ceramide. The encoded protein also has phospholipase C activity. Defects in this gene are a cause of Niemann-Pick disease type A (NPA) and Niemann-Pick disease type B (NPB). Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq]

References:

1. Human acid sphingomyelinase. Lansmann S, Schuette CG, Bartelsen O, Hoernschemeyer J, Linke T, Weisgerber J, Sandhoff K. Eur J Biochem. 2003 Mar;270(6):1076-88.
2. Functional characterization of the N-glycosylation sites of human acid sphingomyelinase by site-directed mutagenesis. Ferlinz K, Hurwitz R, Moczall H, Lansmann S, Schuchman EH, Sandhoff K. Eur J Biochem. 1997 Jan 15;243(1-2):511-7.
3. Cloning of a human acid sphingomyelinase cDNA with a new mutation that renders the enzyme inactive. Ida H, Rennert OM, Eto Y, Chan WY. J Biochem. 1993 Jul;114(1):15-20.