Datasheet for ABIN1539047

anti-SMPD3 antibody (N-Term)

1 Image

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Overview

Quantity:	400 µL
Target:	SMPD3
Binding Specificity:	AA 137-165, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMPD3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This SMPD3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 137-165 amino acids from the N-terminal region of human SMPD3.
Clone:	RB39878
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SMPD3
Alternative Name:	SMPD3 (SMPD3 Products)

Target Details

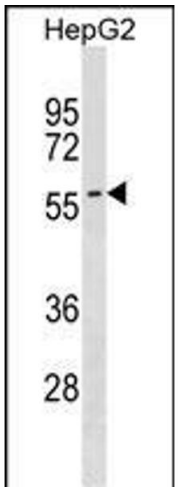
Background:	SMPD3 catalyzes the hydrolysis of sphingomyelin to form ceramide and phosphocholine. Ceramide mediates numerous cellular functions, such as apoptosis and growth arrest, and is capable of regulating these 2 cellular events independently. Also hydrolyzes sphingosylphosphocholine. Regulates the cell cycle by acting as a growth suppressor in confluent cells. Probably acts as a regulator of postnatal development and participates in bone and dentin mineralization.
Molecular Weight:	71081
Gene ID:	55512
NCBI Accession:	NP_061137
UniProt:	Q9NY59
Pathways:	Hormone Transport

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	SMPD3 Antibody (N-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.
Expiry Date:	6 months



Western Blotting

Image 1. SD3 Antibody (N-term) (ABIN1539047 and ABIN2838119) western blot analysis in HepG2 cell line lysates (35 µg/lane).This demonstrates the SD3 antibody detected the SD3 protein (arrow).