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## Datasheet for ABIN2809405 anti-SMPD1 antibody (AA 201-300) (Alexa Fluor 594)



Overview

Quantity:	100 μL
Target:	SMPD1
Binding Specificity:	AA 201-300
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMPD1 antibody is conjugated to Alexa Fluor 594
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	munogen: KLH conjugated synthetic peptide derived from human Acid sphingomyelinase	
lsotype:	IgG	
Cross-Reactivity:	Human, Mouse, Rat	
Predicted Reactivity:	Dog,Cow,Pig,Rabbit	
Purification:	Purified by Protein A.	
Target Details		
Target:	SMPD1	
Alternative Name:	Acid sphingomyelinase (SMPD1 Products)	

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phosphodiesterase 1 acid lysosomal. Sphingomyelin phosphodiesterase.       Background: Converts sphingomyelin to ceramide. Also has phospholipase C activities toward       1.2 diacytglycerolphosphocholine and 1.2 diacytglycerolphosphoglycerol. Isoform 2 and isoform 3 have lost catalytic activity. Involvement in disease: Defects in SMPD1 are the cause o Niemann-Pick disease type A (NPDA), also known as Niemann-Pick disease classical infantlie form. It is an early-onset lysosomal storage disorder caused by failure to hydrolyze sphingomyelin to ceramide. It results in the accumulation of sphingomyelin and ther metabolically related lipids in reticuloendothelial and other cuel types throughout the body.       leading to cell death. Niemann-Pick disease type A is a primarily neurodegenerative disorders, failure to thrive, major hepatosplenomegaly, and severe neurologic symptoms. The severe neurological disorders and pulmonary infections lead to an early death, often around the age of four. Clinical features are variable. A phenotypic continuum exists between type A (basic neurosisceral) and type B (purely visceral) forms of Niemann-Pick disease, and the intermediativpes encompass a cluster of variants combining clinical features of both types A and B.       Gene ID     6609       UniProt.     P17405       Application Notes:     IF(IHC-P) 1:50:200       IF(IHC-P) 1:50:200     IF(IHC-F) 1:50:200       IF(IHC-F) 1:50:200     IF(IHC-F) 1:50:200       IF(ICC) 1:50:200     IF(IHC-F) 1:50:200       IF(IHC-F) 1:50:200     IF(IHC-F) 1:50:200       IF(IHC-F) 1:50:200     IF(IHC-F) 1:50:200	Background:	Supprime: Acid enhingemyolingen ASM ACM HUMAN SCHees NDD Smodt Schingsmuslin
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50 % Glycerol. Preservative: ProClin	Concentration:	1 μg/μL
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Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be	Preservative:	ProClin
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	handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months