

## Product datasheet for **TA339053**

### Acid sphingomyelinase (SMPD1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-SMPD1 antibody: synthetic peptide directed towards the middle region of human SMPD1. Synthetic peptide located within the following region: INSTDPAGQLQWLVGELQAAEDRGDKVHIIGHIPPGHCLKSWSWNYYRIV
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	65 kDa
Gene Name:	sphingomyelin phosphodiesterase 1
Database Link:	<a href="#">NP_000534</a> <a href="#">Entrez Gene 6609 Human</a> <a href="#">P17405</a>
Background:	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). Multiple transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2010]



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**Synonyms:** ASM; ASMASE; NPD

**Note:** Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Horse: 100%; Human: 100%; Sheep: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 93%; Rat: 86%; Mouse: 86%

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Lysosome, Metabolic pathways, Sphingolipid metabolism

**Product images:**



WB Suggested Anti-SMPD1 Antibody Titration:  
0.2-1 ug/ml; ELISA Titer: 1:62500; Positive Control:  
Human heart