

For Research Use Only

SMPD3 Polyclonal antibody

Catalog Number: 25613-1-AP **1 Publications**



Basic Information

Catalog Number:

25613-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG22487

GenBank Accession Number:

BC112238

GeneID (NCBI):

55512

UNIPROT ID:

Q9NY59

Full Name:

sphingomyelin phosphodiesterase 3,
neutral membrane (neutral
sphingomyelinase II)

Calculated MW:

655 aa, 71 kDa

Observed MW:

70-71 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

mouse

Positive Controls:

WB: A549 cells, K-562 cells

Background Information

SMPD3 (sphingomyelin phosphodiesterase 3), also called neutral sphingomyelinase-2 (nSMase2), is a Golgi-enriched, membrane-bound Zn²⁺-dependent hydrolase that converts sphingomyelin into ceramide and phosphocholine. Ceramide functions as a bioactive lipid second messenger that integrates cellular stress, apoptosis, autophagy and differentiation signals.

Notable Publications

Author	Pubmed ID	Journal	Application
Chunchun Wei	32208359	J Endocrinol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

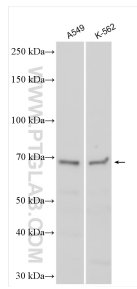
T: 4006900926

E: Proteintech-CN@ptglab.com

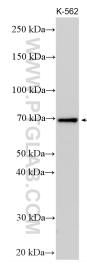
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 25613-1-AP (SMPD3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



K-562 cells were subjected to SDS PAGE followed by western blot with 25613-1-AP (SMPD3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.