

For Research Use Only

# SMPD3 Polyclonal antibody, PBS Only

Catalog Number: 25613-1-PBS



## Basic Information

Catalog Number:

25613-1-PBS

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

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

## Background Information

SMPD3 (sphingomyelin phosphodiesterase 3), also called neutral sphingomyelinase-2 (nSMase2), is a Golgi-enriched, membrane-bound Zn<sup>2+</sup>-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.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

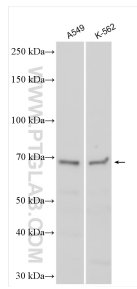
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

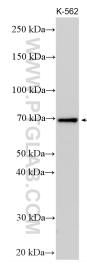
W: [ptgcn.com](http://ptgcn.com)

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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. This data was developed using the same antibody clone with 25613-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 25613-1-PBS in a different storage buffer formulation.