

# SMPD4 Rabbit pAb

Catalog No.: A15473

## Basic Information

### Observed MW

100kDa

### Calculated MW

98kDa

### Category

Primary antibody

### Applications

ELISA, WB, IF/ICC

### Cross-Reactivity

Human, Mouse

## Background

The protein encoded by this gene is a sphingomyelinase that catalyzes the hydrolysis of membrane sphingomyelin to form phosphorylcholine and ceramide. This gene is activated by DNA damage, cellular stress, and tumor necrosis factor, but it is downregulated by wild-type p53. The encoded protein localizes to the endoplasmic reticulum and Golgi network.

## Recommended Dilutions

WB 1:200 - 1:2000

IF/ICC 1:50 - 1:200

## Immunogen Information

### Gene ID

55627

### Swiss Prot

Q9NXE4

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 600-800 of human SMPD4 (NP\_060421.2).

### Synonyms

SKNY; NET13; NEDMABA; NEDMEBA; NSMASE3; NSMASE-3; SMPD4

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

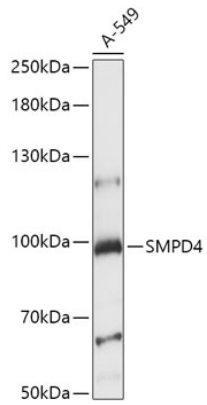
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

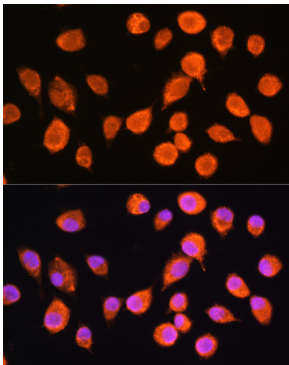
Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of lysates from A-549 cells, using SMPD4 Rabbit pAb (A15473) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 15s.



Immunofluorescence analysis of L929 cells using SMPD4 Rabbit pAb (A15473) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.