

SMPD1 / ASM Rabbit pAb

Catalog No.: A6743 **4 Publications**

Basic Information

Observed MW

55kDa/70kDa/60kDa,70-75kDa

Calculated MW

70kDa

Category

Primary antibody

Applications

WB,IF/ICC,ELISA

Cross-Reactivity

Human, Mouse, Rat

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.

Recommended Dilutions

WB 1:100 - 1:500

IF/ICC 1:10 - 1:100

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

6609

Swiss Prot

P17405

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

ASM; NPD; ASMASE; SMPD1 / ASM

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

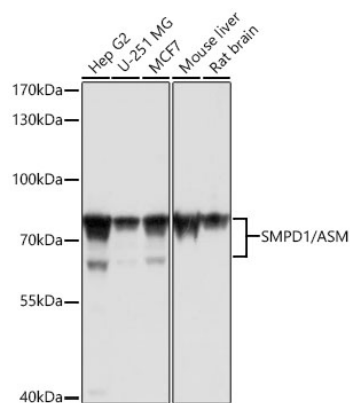
Affinity purification

Storage

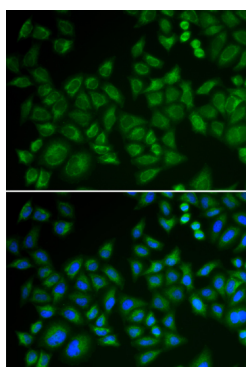
Store at -20°C. Avoid freeze / thaw cycles.

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

Validation Data



Western blot analysis of various lysates using SMPD1 / ASM Rabbit pAb (A6743) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates / proteins: 25 µg per lane.
Blocking buffer: 3 % nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5s.



Immunofluorescence analysis of HeLa cells using SMPD1 / ASM Rabbit pAb (A6743).
Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.