

## Rabbit SMPD1/ASM Polyclonal Antibody | anti-SMPD1/ASM antibody

SMPD1/ASM Polyclonal Antibody

|                               |                       |                                        |                                                         |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA281462</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunofluorescence, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|---------------------------------------------------------|

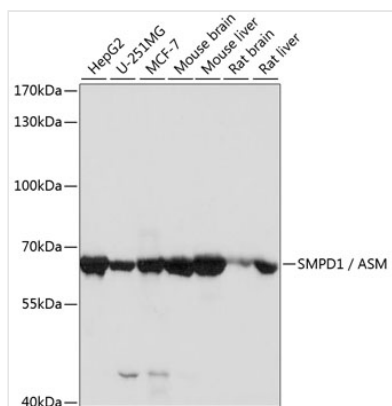
### PRODUCT SYNONYMS

SMPD1/ASM; Polyclonal Antibody; SMPD1/ASM Polyclonal Antibody; SMPD1 Polyclonal Antibody; SMPD1; ASM; ASMASE; NPD; sphingomyelin phosphodiesterase; anti-SMPD1/ASM antibody

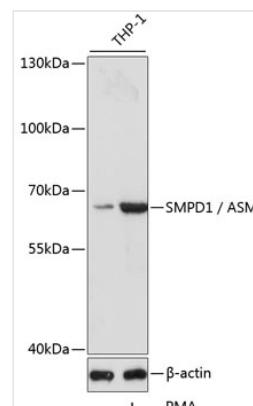
### PRODUCT SPECIFICATIONS

|                                                     |                                                                              |
|-----------------------------------------------------|------------------------------------------------------------------------------|
| Host                                                | Rabbit                                                                       |
| Reactivity                                          | Human, Mouse, Rat                                                            |
| Clonality                                           | Polyclonal                                                                   |
| Isotype                                             | IgG                                                                          |
| Purity/Purification                                 | Affinity Purification                                                        |
| Form/Format                                         | PBS with 0.05% proclin300,50% glycerol,pH7.3.                                |
| Concentration                                       | 3.46 mg/ml (varies by lot)                                                   |
| Sequence Length                                     | 629                                                                          |
| Applicable Applications for anti-SMPD1/ASM antibody | IF (Immunofluorescence), WB (Western Blot)                                   |
| Immunogen                                           | Recombinant protein of human SMPD1/ASM.                                      |
| Positive Samples                                    | THP-1, HepG2, U-251MG, MCF-7, Mouse Brain, Mouse Liver, Rat Brain, Rat Liver |
| Cellular Location                                   | Lysosome                                                                     |
| Preparation and Storage                             | Store at -20 degree C. Avoid freeze/thaw cycles.                             |

### IMAGES


**WB (Western Blot)**

Western blot-SMPD1/ASM Polyclonal Antibody


**WB (Western Blot)**

Western blot-SMPD1/ASM Polyclonal Antibody

ADDITIONAL INFORMATION

|                                                         |                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-SMPD1/ASM antibody | 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. |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| NCBI GI #                        | 179095                                             |
| NCBI GeneID                      | 6609                                               |
| UniProt Accession #              | P17405                                             |
| Molecular Weight                 | Calculated: 63kDa; 64kDa; 69kDa<br>Observed: 60kDa |
| NCBI Official Full Name          | acid sphingomyelinase                              |
| NCBI Official Synonym Full Names | sphingomyelin phosphodiesterase 1                  |
| NCBI Official Symbol             | SMPD1                                              |
| NCBI Official Synonym Symbols    | ASM; NPD; ASMASE                                   |
| NCBI Protein Information         | sphingomyelin phosphodiesterase                    |
| UniProt Protein Name             | Sphingomyelin phosphodiesterase                    |
| UniProt Gene Name                | SMPD1                                              |
| UniProt Synonym Gene Names       | ASM; aSMase                                        |
| UniProt Entry Name               | ASM_HUMAN                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/smpd1-asm-antibody-immunofluorescence-western-blot-elisa/281462>