

## Datasheet for ABIN7646538 **anti-SMPD1 antibody**



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### Overview

|              |                                                                                                           |
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| Quantity:    | 100 µL                                                                                                    |
| Target:      | SMPD1                                                                                                     |
| Reactivity:  | Human                                                                                                     |
| Host:        | Mouse                                                                                                     |
| Clonality:   | Monoclonal                                                                                                |
| Conjugate:   | This SMPD1 antibody is un-conjugated                                                                      |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP),<br>Immunocytochemistry (ICC) |

### Product Details

|               |                                                                                                                                                                             |
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| Purpose:      | Monoclonal Antibody to Acid Sphingomyelinase (ASM)                                                                                                                          |
| Specificity:  | The antibody is a mouse monoclonal antibody raised against ASM. It has been selected for its ability to recognize ASM in immunohistochemical staining and western blotting. |
| Purification: | Antigen-specific affinity chromatography followed by Protein A affinity chromatography                                                                                      |

### Target Details

|                   |                                                                                                       |
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| Target:           | SMPD1                                                                                                 |
| Alternative Name: | Acid Sphingomyelinase ( <a href="#">SMPD1 Products</a> )                                              |
| Background:       | SMPD1, NPD, SMase, aSMase, Sphingomyelin Phosphodiesterase 1, Acid Lysosomal, Simply Sphingomyelinase |
| UniProt:          | <a href="#">P17405</a>                                                                                |

## Application Details

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| Application Notes: | Western blotting: 0.2-2 µg/mL, 1:500-5000 Immunohistochemistry: 5-20 µg/mL, 1:50-200<br>Immunocytochemistry: 5-20 µg/mL, 1:50-200 Optimal working dilutions must be determined by end user. |
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| Comment: | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
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| Restrictions: | For Research Use only |
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## Handling

|         |        |
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| Format: | Liquid |
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| Concentration: | 1 mg/mL |
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|         |                                                             |
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| Buffer: | PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol. |
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| Preservative: | Sodium azide |
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| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
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| Storage: | 4 °C, -20 °C |
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| Storage Comment: | Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. |
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