Datasheet for ABIN2791885

# anti-PSMD5 antibody (C-Term)

1 Image

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## Overview

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| Quantity: | 100 µL |
| Target: | PSMD5 |
| Binding Specificity: | C-Term |
| Reactivity: | Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Pig, Rabbit, Zebrafish (Danio rerio) |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PSMD5 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

## Product Details

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| Immunogen: | The immunogen is a synthetic peptide directed towards the C-terminal region of Human PSMD5 |
| Sequence: | FEMIESQDPT MIGVAVDTVG ILGSNVEGKQ VLQKTGTRFE RLLMRIGHQS |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 86%, Rat: 93%, Zebrafish: 86% |
| Characteristics: | This is a rabbit polyclonal antibody against PSMD5. It was validated on Western Blot. |
| Purification: | Affinity Purified |

## Target Details

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| Target: | PSMD5 |

## Target Details

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| Alternative Name: | PSMD5 (PSMD5 Products) |
| Background: | The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits, 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. This gene encodes a non-ATPase subunit of the 19S regulator base that functions as a chaperone protein during 26S proteasome assembly.<br>Alias Symbols: S5B<br>Protein Interaction Partner: UBC, TFCP2, PSMC2, PSMC1, PPME1, GMPS, PNP, PARK2, RNF11, BAG3, FN1, MACF1, PSMD13, PSMD7, PSMD2, PSMD1, PSMB5, PSMB4, PSMB2, PSMB1, PSMA7, PSMA6, PSMA4, PSMA2, PSMA1, APP, PSMD4, COPS2, RAD23A, ELAVL1, PMS2, RPN7, RPN2, RPT1, RPT2,<br>Protein Size: 504 |
| Molecular Weight: | 55 kDa |
| Gene ID: | 5711 |
| NCBI Accession: | NM_005047, NP_005038 |
| UniProt: | Q16401 |
| Pathways: | Mitotic G1-G1/S Phases, DNA Replication, Synthesis of DNA, Ubiquitin Proteasome Pathway |

## Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |

## Handling

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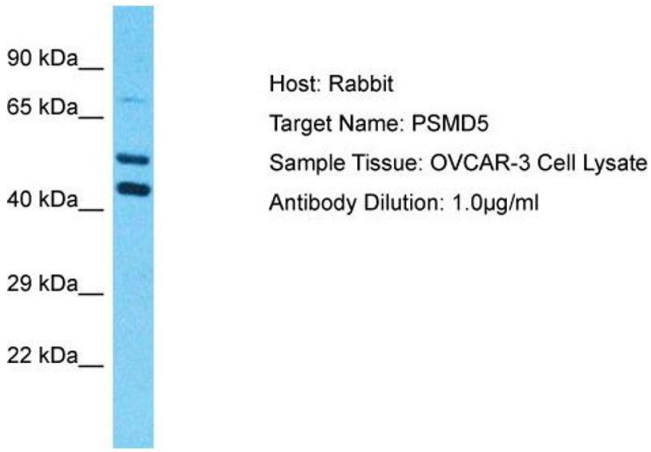
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeat freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

## Images




**Western Blotting**

**Image 1.** Host: Rabbit Target Name: PSMD5 Sample Type: OVCAR-3 Whole Cell lysates Antibody Dilution: 1.0ug/ml PSMD5 is strongly supported by BioGPS gene expression data to be expressed in Human OVCAR3 cells