Datasheet for ABIN650763

# anti-PSMD7 antibody (C-Term)

3 Images

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## Overview

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| Quantity: | 400 µL |
| Target: | PSMD7 |
| Binding Specificity: | AA 267-295, C-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PSMD7 antibody is un-conjugated |
| Application: | Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

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| Immunogen: | This PSMD7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 267-295 amino acids from the C-terminal region of human PSMD7. |
| Clone: | RB20858 |
| Isotype: | Ig Fraction |
| Predicted Reactivity: | M |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

## Target Details

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| Target: | PSMD7 |

## Target Details

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| Alternative Name: | PSMD7 (PSMD7 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. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. PSMD7 is a non-ATPase subunit of the 19S regulator. A pseudogene has been identified on chromosome 17. |
| Molecular Weight: | 37025 |
| Gene ID: | 5713 |
| NCBI Accession: | NP_002802 |
| UniProt: | P51665 |
| Pathways: | Mitotic G1-G1/S Phases, DNA Replication, Synthesis of DNA, Ubiquitin Proteasome Pathway |

## Application Details

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| Application Notes: | WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50 |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |

## Handling

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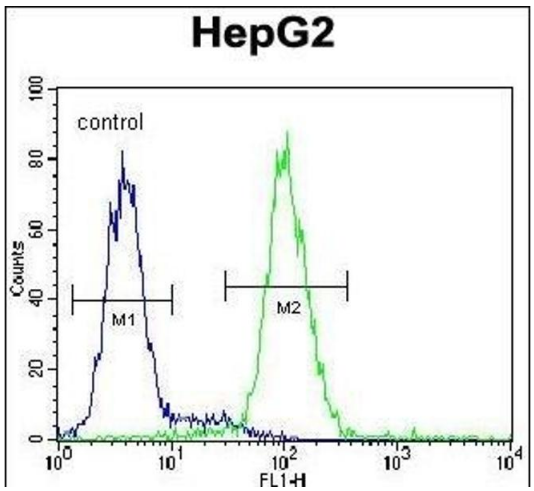
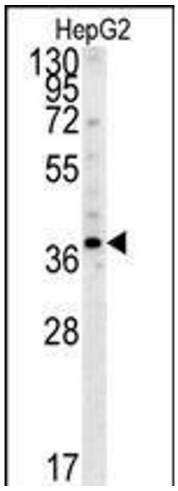
| Expiry Date: | 6 months |

## Images



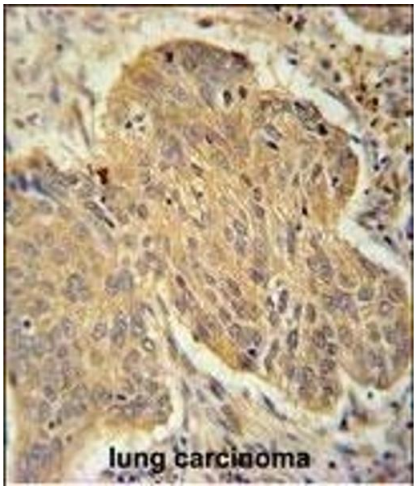

### Flow Cytometry

**Image 1.** PSMD7 Antibody (C-term) (ABIN650763 and ABIN2839523) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.




### Western Blotting

**Image 2.** PSMD7 Antibody (C-term) (ABIN650763 and ABIN2839523) western blot analysis in HepG2 cell line lysates (35 µg/lane).This demonstrates the PSMD7 antibody detected the PSMD7 protein (arrow).




### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** PSMD7 Antibody (C-term) (ABIN650763 and ABIN2839523) immunohistochemistry analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PSMD7 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.