

Datasheet for ABIN7599201  
**anti-PSMD7 antibody (AA 1-274)**



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## Overview

|                      |                                                     |
|----------------------|-----------------------------------------------------|
| Quantity:            | 100 µg                                              |
| Target:              | PSMD7                                               |
| Binding Specificity: | AA 1-274                                            |
| Reactivity:          | Human, Mouse, Rat                                   |
| Host:                | Rabbit                                              |
| Clonality:           | Polyclonal                                          |
| Conjugate:           | This PSMD7 antibody is un-conjugated                |
| Application:         | Western Blotting (WB), ELISA, Flow Cytometry (FACS) |

## Product Details

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| Purpose:                    | Anti-PSMD7 Antibody Picoband®                                                                                                                                                                                                                                                                                                                                                                                                 |
| Immunogen:                  | E.coli-derived human PSMD7 recombinant protein (Position: M1-N274).                                                                                                                                                                                                                                                                                                                                                           |
| Isotype:                    | IgG                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins.                                                                                                                                                                                                                                                                                                                                                                                      |
| Characteristics:            | Anti-PSMD7 Antibody Picoband® (ABIN7599201). Tested in ELISA, Flow Cytometry, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Purification:               | Immunogen affinity purified.                                                                                                                                                                                                                                                                                                                                                                                                  |

## Target Details

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|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | PSMD7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Alternative Name: | PSMD7 ( <a href="#">PSMD7 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Background:       | <p>Synonyms: Mediator of RNA polymerase II transcription subunit 20, Mediator complex subunit 20, TRF-proximal protein homolog, hTRFP, MED20, TRFP,</p> <p>Tissue Specificity: Pre-B-cells and B-cells but not terminally differentiated plasma cells.</p> <p>Background: 26S proteasome non-ATPase regulatory subunit 7, also known as 26S proteasome non-ATPase subunit Rpn8, is an enzyme that in humans is encoded by the PSMD7 gene. 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. This gene encodes a non-ATPase subunit of the 19S regulator. A pseudogene has been identified on chromosome 17.</p> |
| Molecular Weight: | 38 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene ID:          | 5713                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| UniProt:          | <a href="#">P51665</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Pathways:         | <a href="#">Mitotic G1-G1/S Phases</a> , <a href="#">DNA Replication</a> , <a href="#">Synthesis of DNA</a> , <a href="#">Ubiquitin Proteasome Pathway</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Application Details

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| Application Notes: | <p>Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat</p> <p>Flow Cytometry (Fixed), 1-3 µg/1×10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Gridley, T., Gray, D. A., Orr-Weaver, T., Soriano, P., Barton, D. E., Francke, U., Jaenisch, R. Molecular analysis of the Mov34 mutation: transcript disrupted by proviral integration in mice is conserved in Drosophila. Development 109: 235-242, 1990. 2. Gridley, T., Jaenisch, R., Gendron-Maguire, M. The murine Mov-34 gene: full-length cDNA and genomic organization. Genomics 11: 501-507, 1991.</p> |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Handling

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| Format:          | Lyophilized                                                                                                                                                                                          |
| Reconstitution:  | Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.                                                                                                                            |
| Concentration:   | 500 µg/mL                                                                                                                                                                                            |
| Buffer:          | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                            |
| Storage:         | 4 °C, -20 °C                                                                                                                                                                                         |
| Storage Comment: | At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.<br>It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing. |