

# PSMD4 polyclonal antibody

Catalog # PAB0127      Size 100 uL

## Specification

|                     |  |
|---------------------|--|
| Product Description | Rabbit polyclonal antibody raised against PSMD4.   |
| Immunogen           | Human PSMD4.   |
| Host                | Rabbit   |
| Reactivity          | Human  |
| Form                | Lyophilized  |
| Recommend Usage     | Western Blot (1:2000)<br>The optimal working dilution should be determined by the end user.  |
| Storage Buffer      | Lyophilized from serum   |
| Storage Instruction | Store at -20°C on dry atmosphere.<br>After reconstitution with sterile water, store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |

## Applications

- Western Blot (Cell lysate)

## Gene Info — PSMD4

|                  |  |
|------------------|--|
| Entrez GeneID    | <a href="#">5710</a>                                       |
| Gene Name        | PSMD4  |
| Gene Alias       | AF, AF-1, ASF, MCB1, Rpn10, S5A, pUB-R5                    |
| Gene Description | proteasome (prosome, macropain) 26S subunit, non-ATPase, 4 |

Omim ID [601648](#)

Gene Ontology [Hyperlink](#)

### Gene Summary

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 one of the non-ATPase subunits of the 19S regulator lid. Pseudogenes have been identified on chromosomes 10 and 21. [provided by RefSeq]

### Other Designations

26S protease subunit S5a|26S proteasome non-ATPase regulatory subunit 4|OTTHUMP00000014286|OTTHUMP00000059963|S5a/antiseecretory factor protein|angiocidin|antiseecretory factor 1|multiubiquitin chain binding protein|proteasome 26S non-ATPase subunit 4

## Pathway

- [Proteasome](#)