

## Product Datasheet

### PSMD2 (N) Antibody, Rabbit Polyclonal (orb131870)

#### Description

Rabbit polyclonal to PSMD2. 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 nonidentical 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. PSMD2 is one of the non-ATPase subunits of the 19S regulator lid. In addition to participation in proteasome function, PSMD2 may also participate in the TNF signalling pathway since it interacts with the tumor necrosis factor type 1 receptor. A pseudogene has been identified on chromosome 1.

#### Species/Host

Rabbit

#### Reactivity

Human

#### Conjugation

Unconjugated

#### Tested Applications

WB

#### Immunogen

N-terminal region of human PSMD2

#### Preservatives

0.01% NaN<sub>3</sub>

#### Concentration

100 µg/ml BSA

#### Storage

-20°C

#### Note

For research use only

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<b>Application notes</b>	<p>strong&gt;WB: The apparent protein size on WB may be different from the calculated M.W. due to modifications.</p> <p>br&gt; strong&gt;Experiment Notes: Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the N-terminal region of human PSMD2.</p>
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Affinity purification
<b>MW</b>	100
<b>Uniprot ID</b>	<b>Q13200</b>
<b>Dilution Range</b>	WB:1:1000-1:3000
<b>Expiration Date</b>	12 months from date of receipt.

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