

Product Datasheet

PSMD2 (C) Antibody, Rabbit Polyclonal (orb131869)

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, Mouse
Conjugation	Unconjugated
Tested Applications	WB
Immunogen	C-terminal region of human PSMD2.
Preservatives	0.01% NaN ₃
Concentration	100 µg/ml BSA
Storage	-20°C
Note	For research use only

Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

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

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