

Product Datasheet

PSMD2 (vPair™) Antibodies (orb131868)

Description

Rabbit polyclonal to PSMD2. PSMD2 antibodies represent a pair of fully characterized antibodies that recognize two different regions of a target protein. The product is developed by Biorbyt to address whether the signal observed truly represents the protein of interest, an often encountered issue in antibody pairs-based assays. The use of a pair of fully characterized vPair antibodies in the same assay can validate signal specificity since vPair antibodies recognize two independent epitopes of the same protein. Different sets of vPair antibodies are developed at Biorbyt to work with specific applications, including antibody pairs arrays, Western blot, IP-Western, ChIP, IHC, and FACS. 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

N-terminal or the C-terminal region of human PSMD2

Preservatives

0.01% NaN3

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Concentration	100 µg/ml BSA
Storage	-20°C
Note	For research use only
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 GST-fusion proteins containing either the N-terminal [PSMD2 (N) (R1723-1)] or the C-terminal [PSMD2 (C) (R1723-2)] region of human PSMD2.</p>
Clonality	Polyclonal
Purity	Affinity purification
MW	100
Uniprot ID	Q13200
Dilution Range	WB:1:1000-1:3000
Expiration Date	12 months from date of receipt.

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