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PSMD9 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14537B

Specification

PSMD9 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	O00233
Other Accession	NP_002804.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**24682**
Antigen Region	**176-205**

PSMD9 Antibody (C-term) - Additional Information

Gene ID 5715

Other Names
26S proteasome non-ATPase regulatory subunit 9, 26S proteasome regulatory subunit p27, PSMD9

Target/Specificity
This PSMD9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 176-205 amino acids from the C-terminal region of human PSMD9.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PSMD9 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PSMD9 Antibody (C-term) - Protein Information

Name PSMD9

Function Acts as a chaperone during the assembly of the 26S proteasome, specifically of the base subcomplex of the PA700/19S regulatory complex (RC). During the base subcomplex assembly is

part of an intermediate PSMD9:PSMC6:PSMC3 module, also known as modulator trimer complex; PSMD9 is released during the further base assembly process.

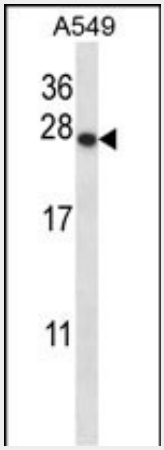
Tissue Location
Expressed in all tissues tested, highly expressed in liver and kidney

PSMD9 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PSMD9 Antibody (C-term) - Images



PSMD9 Antibody (C-term) (Cat. #AP14537b) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the PSMD9 antibody detected the PSMD9 protein (arrow).

PSMD9 Antibody (C-term) - Background

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.

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PSMD9 Antibody (C-term) - References

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