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# PSMD9 Polyclonal Antibody
**Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP55259**

## Specification

### PSMD9 Polyclonal Antibody - Product Information

| | |
|---|---|
| Application | **IHC-P, IHC-F, IF, E** |
| Primary Accession | O00233 |
| Reactivity | **Rat, Pig, Dog, Bovine** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **25 KDa** |
| Physical State | **Liquid** |
| Immunogen | **KLH conjugated synthetic peptide derived from human PSMD9** |
| Epitope Specificity | **65-150/223** |
| Isotype | **IgG** |

**Purity**
affinity purified by Protein A

| | |
|---|---|
| Buffer | **0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.** |
| SIMILARITY | **Belongs to the proteasome subunit p27 family.Contains 1 PDZ (DHR) domain.** |
| SUBUNIT | **Interacts with PSMC3. Part of a transient complex (modulator) containing PSMD9, PSMC6 and PSMC3 formed during the assembly of the 26S proteasome.** |
| Important Note | **This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.** |

**Background Descriptions**
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. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, May 2012]

### PSMD9 Polyclonal Antibody - Additional Information

**Gene ID** 5715

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

**Target/Specificity**
Expressed in all tissues tested, highly expressed in liver and kidney.

**Dilution**
IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

**Format**
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

## PSMD9 Polyclonal Antibody - 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 Polyclonal Antibody - 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 Polyclonal Antibody - Images

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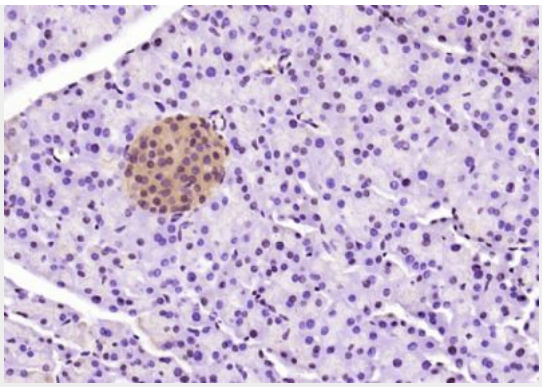
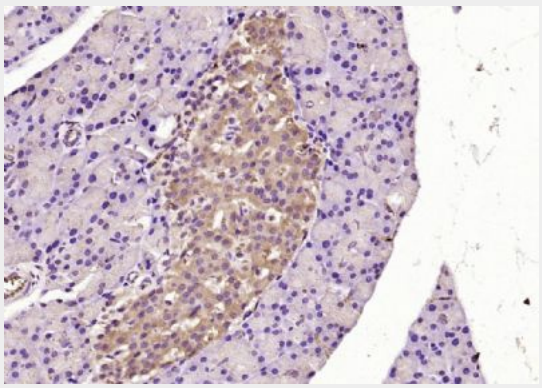


Paraformaldehyde-fixed, paraffin embedded (mouse pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PSMD9) Polyclonal Antibody, Unconjugated (bs-1372R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PSMD9) Polyclonal Antibody, Unconjugated (bs-1372R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.