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Rabbit Anti-PSMD9/PE Conjugated antibody

SL1372R-PE

Product Name	Anti-PSMD9/PE
Chinese Name	PE 标记的蛋白酶调解因子 9 抗体
Alias	Bridge-1; MGC8644; 26S proteasome non ATPase regulatory subunit 9; 26S proteasome regulatory subunit p27; Homolog of rat Bridge 1; p27; Proteasome (prosome macropain) 26S subunit non ATPase 9; Proteasome 26S non ATPase regulatory subunit 9; Proteasome 26S subunit non ATPase 9; PSMD 9; Rpn4; PSMD9_HUMAN.
Research Area	immunology transcriptional regulatory factor Diabetes Endocrinopathy
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse,Rat(predicted:Human,Chicken,Dog,Pig,Cow,Horse,Rabbit,GuineaPig)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	25kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human PSMD9
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**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. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, May 2012]

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.

Subunit:
Interacts with PSMC3. Part of a transient complex (modulator) containing PSMD9, PSMC6 and PSMC3 formed during the assembly of the 26S proteasome.

Tissue Specificity:
Expressed in all tissues tested, highly expressed in liver and kidney.

Similarity:
Belongs to the proteasome subunit p27 family.
Contains 1 PDZ (DHR) domain.

Database links:

Entrez Gene: 5715 Human

Entrez Gene: 67151 Mouse

Omim: 603146 Human

SwissProt: O00233 Human

SwissProt: Q9CR00 Mouse

Unigene: 131151 Human

Unigene: 278997 Mouse

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Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PSMD-9 蛋白有可能增强激活胰岛素的产生，主要用于二型 Diabetes 的研究。