

Rabbit Anti-PSMD14/AP Conjugated antibody

SL19469R-AP

Product Name	Anti-PSMD14/AP
Chinese Name	碱性磷酸酶（AP）标记的蛋白酶调解因子 14 抗体
Alias	26S proteasome non-ATPase regulatory subunit 14; 26S proteasome regulatory subunit rpn11; 26S proteasome-associated PAD1 homolog 1; 26S proteasome-associated PAD1 homolog; PAD1; PAD1, yeast, homolog of; POH1; Proteasome (prosome, macropain) 26S subunit, non-ATPase, 14; Proteasome 26S subunit non ATPase 14; PSDE_HUMAN; Psm14; RPN11.
Research Area	Cell biology transcriptional regulatory factor Epigenetics Ubiquitin
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse,Rat(predicted:Chicken,Pig,Cow,Horse,Rabbit,Zebrafish,Sheep) WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	35kDa
Form	Lyophilized or Liquid
Concentration immunogen	1mg/ml KLH conjugated synthetic peptide derived from human PSMD14
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: This gene encodes a component of the 26S proteasome. The 26S proteasome is a large multiprotein complex that catalyzes the degradation of ubiquitinated intracellular proteins. The encoded protein is a component of the 19S regulatory cap complex of the 26S proteasome and mediates substrate deubiquitination. A

pseudogene of this gene is also located on the long arm of chromosome 2.
[provided by RefSeq, Feb 2012]

Function:

Metalloprotease component of the 26S proteasome that specifically cleaves 'Lys-63'-linked polyubiquitin chains. The 26S proteasome is involved in the ATP-dependent degradation of ubiquitinated proteins. The function of the 'Lys-63'-specific deubiquitination of the proteasome is unclear.

Tissue Specificity:

Widely expressed. Highest levels in heart and skeletal muscle.

Similarity:

Belongs to the peptidase M67A family. PSMD14 subfamily.
Contains 1 MPN (JAB/Mov34) domain.

Database links:

[Entrez Gene: 10213](#) Human

[Entrez Gene: 59029](#) Mouse

[Entrez Gene: 311078](#) Rat

[Omim: 607173](#) Human

[SwissProt: O00487](#) Human

[SwissProt: O35593](#) Mouse

[Unigene: 567410](#) Human

[Unigene: 218198](#) Mouse

[Unigene: 161794](#) Rat

Important Note:

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