

Rabbit Anti-Proteasome 20S beta 3/AP Conjugated antibody

SL9357R-AP

Product Name	Anti-Proteasome 20S beta 3/AP
Chinese Name	碱性磷酸酶 (AP) 标记的蛋白酶体 PSMβ3 抗体
Alias	20S Proteasome β3; C10 II; HC10 II; proteasome (prosome, macropain) subunit, beta type 3; Proteasome beta 3 subunit; Proteasome chain 13; proteasome component C10 II; Proteasome theta chain; PSMB3.
Research Area	Cell biology Cyclin Cell differentiation
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Zebrafish,Sheep) WB=1000-10000,IHC-P=1:100-500,IHC-F=1:100-500,ELISA=1:500-5000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	23kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Proteasome 20S beta 3
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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.
Storage	
Product Detail	background: The proteasome is a multicatalytic proteinase complex with a highly ordered ring shaped 20S core structure. The core structure 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. 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.

Function:

The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity.

Subunit:

The 26S proteasome consists of a 20S proteasome core and two 19S regulatory subunits. The 20S proteasome core is composed of 28 subunits that are arranged in four stacked rings, resulting in a barrel-shaped structure. The two end rings are each formed by seven alpha subunits, and the two central rings are each formed by seven beta subunits. The catalytic chamber with the active sites is on the inside of the barrel. Interacts with HIV-1 TAT protein.

Subcellular Location:

Cytoplasmic and Nuclear

Similarity:

Belongs to the peptidase T1B family.

Database links:

[Entrez Gene: 5691](#) Human

[Entrez Gene: 26446](#) Mouse

[Entrez Gene: 29676](#) Rat

[Omim: 602176](#) Human

[SwissProt: P33672](#) Cow

[SwissProt: P49720](#) Human

[SwissProt: Q9R1P1](#) Mouse

[SwissProt: P40112](#) Rat

[Unigene: 82793](#) Human

[Unigene: 94551](#) Rat



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