



## Rabbit Anti-phospho-Proteasome 20S beta 7 (Ser214) antibody

SL9362R

<b>Product Name:</b>	phospho-Proteasome 20S beta 7 (Ser214)
<b>Chinese Name:</b>	磷酸化蛋白酶体PSMβ7抗体
<b>Alias:</b>	Proteasome 20S beta 7 (phospho S214); Proteasome 20S beta 7 (phospho Ser214); p-Proteasome 20S beta 7 (S214); p-Proteasome 20S beta 7 (Ser214); 20S Proteasome β7; Macropain chain Z; Multicatalytic endopeptidase complex chain Z; Proteasome (prosome macropain) subunit beta type 7; Proteasome beta 7 subunit; Proteasome catalytic subunit 2; Proteasome subunit alpha; Proteasome subunit beta 7; Proteasome subunit beta type-7; Proteasome subunit Z; PSB7 HUMAN; PSMB7; PUP1.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	25kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated Synthesised phosphopeptide derived from human Proteasome 20S beta 7 around the phosphorylation site of Ser214:SG(p-S)NI
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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 0.01M PBS or diluent of

	antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>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. This unit is responsible of the trypsin-like activity. The proteasome represents a large protein complex that exists inside all eukaryotes and archaea, and in some bacteria. The main function of proteasomes is to degrade unnecessary or damaged proteins by proteolysis. The most common form of the proteasome, known as the 26S Proteasome, contains one 20S Proteasome core particle structure and two 19S regulatory caps. The 20S Proteasome core is hollow and forms an enclosed cavity, where proteins are degraded, as well as openings at the two ends to allow the target protein to enter. The 20S Proteasome core particle contains many subunits, depending on the organism.</p> <p><b>Function:</b> 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. This unit is responsible of the trypsin-like activity.</p> <p><b>Subunit:</b> 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 equivalent immune-specific subunit PSMB10. Interacts with HIV-1 TAT protein.</p> <p><b>Subcellular Location:</b> Cytoplasm. Nucleus.</p> <p><b>Tissue Specificity:</b> Expressed at a low level in colonic mucosa. Up-regulated in colorectal cancer tissues.</p> <p><b>Similarity:</b> Belongs to the peptidase T1B family.</p> <p><b>SWISS:</b> Q99436</p> <p><b>Gene ID:</b> 5695</p> <p><b>Database links:</b></p>

[Entrez Gene: 5695](#)Human

[Entrez Gene: 19177](#)Mouse

[Entrez Gene: 100037992](#)Pig

[Entrez Gene: 85492](#)Rat

[Omim: 604030](#)Human

[SwissProt: Q2TBP0](#)Cow

[SwissProt: Q99436](#)Human

[SwissProt: P70195](#)Mouse

[SwissProt: A1XQU1](#)Pig

[SwissProt: Q9JHW0](#)Rat

[Unigene: 213470](#)Human

[Unigene: 389251](#)Mouse

[Unigene: 3846](#)Rat

**Important Note:**

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