



## Rabbit Anti-Proteasome 20S alpha 5 antibody

SL9354R

<b>Product Name:</b>	Proteasome 20S alpha 5
<b>Chinese Name:</b>	蛋白酶体PSM $\alpha$ 5抗体
<b>Alias:</b>	Macropain zeta chain; Multicatalytic endopeptidase complex zeta chain; Proteasome (prosome macropain) subunit alpha type 5; Proteasome alpha5 subunit; Proteasome component 5; Proteasome subunit alpha type 5; Proteasome subunit alpha type-5; Proteasome subunit zeta; Proteasome zeta chain; PSA5_HUMAN; PSC5; PSMA5; ZETA.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Pig,Cow,Rabbit,
<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>	26.5kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Proteasome 20S alpha 5:31-130/241
<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>	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.

**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. PSMA5 interacts directly with the PSMG1-PSMG2 heterodimer which promotes 20S proteasome assembly.

**Subcellular Location:**

Cytoplasm. Nucleus.

**Tissue Specificity:**

Expressed in fetal brain (at protein level).

**Similarity:**

Belongs to the peptidase T1A family.

**SWISS:**

P28066

**Gene ID:**

5686

**Database links:**

[Entrez Gene: 5686](#)Human

[Entrez Gene: 26442](#)Mouse

[Entrez Gene: 29672](#)Rat

[Omim: 176844](#)Human

[SwissProt: P28066](#)Human

[SwissProt: Q9Z2U1](#)Mouse

[SwissProt: P34064](#)Rat

[Unigene: 48524](#)Human

[Unigene: 208883](#)Mouse

[Unigene: 1276](#)Rat

**Important Note:**

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

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