SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Marker Primary Antibody]

Rabbit Anti-Proteasome 20S alpha 3 (Ser250)/Cy3 Conjugated antibody

Catalog Number: SL9353R-Cy3

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-Proteasome 20S alpha 3(Ser250)/Cy3
Immunogen:	KLH conjugated Synthesised phosphopeptide derived from human Proteasome 20S alpha 3 around the phosphorylation site of Ser250
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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.
Applications:	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Background:	background: 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. Binds to the C-terminus of CDKN1A and thereby mediates its degradation. Negatively regulates the membrane trafficking of the cell-surface thromboxane A2 receptor (TBXA2R) isoform 2. **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. Binds to the C-terminus of CDKN1A and thereby mediates its degradation. Negatively regulates the membrane trafficking of the cell-surface thromboxane A2 receptor (TBXA2R) isoform 2.

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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	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 AURKB. Interacts with CDKN1A. Interacts with HIV-1 TAT protein. Interacts with hepatitis C virus (HCV) F protein. Interacts with Epstein-Barr virus EBNA3 proteins. Interacts with MDM2 and RB1. Interacts with the C-terminus of TBXA2R isoform 2. **Subcellular Location:** Cytoplasm. Nucleus. **Similarity:** Belongs to the peptidase T1A family. **Database links:** **Entrez Gene:** 5684 Human **Entrez Gene:** 19167 Mouse **Entrez Gene:** 29670 Rat **Entrez Gene:** 408248 Rat Omim: 176843 Human **SwissProt:** P25788 Human **SwissProt:** O70435 Mouse **SwissProt:** P18422 Rat **Unigene:** 558799 Human **Unigene:** 296338 Mouse **Unigene:** 3997 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.