蛋白酶体 PSMα7 抗体

产品货号： mlR9356

英文名称： PSMA7

中文名称： 蛋白酶体 PSMα7 抗体

别　　名： C6 antibody HSPC; Proteasome (prosome macropain) subunit alpha type 7; Proteasome alpha 7 subunit; Proteasome subunit alpha 4; Proteasome subunit alpha type 7; Proteasome subunit alpha type-7; Proteasome subunit RC6 1; Proteasome subunit RC6-1; Proteasome subunit XAPC7; PSA7_HUMAN; PSMA7; RC6 1; XAPC7.

研究领域： 细胞生物　发育生物学　干细胞　细胞周期蛋白　细胞分化　细胞类型标志物

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Horse, Sheep,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:50-200 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 28kDa

细胞定位： 细胞核 细胞浆

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human Proteasome 20S alpha 7:111-210/248

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： 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.

PubMed： **PubMed**

产品介绍 ： 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. Plays an important role in the regulation of cell proliferation or cell cycle control, transcriptional regulation, immune and stress response, cell differentiation, and apoptosis. Interacts with some important proteins involved in transcription factor regulation, cell cycle transition, viral replication and even tumor initiation and progression. Inhibits the transactivation function of HIF-1A under both normoxic and hypoxia-mimicking conditions. The interaction with EMAP2 increases the proteasome-mediated HIF-1A degradation under the hypoxic conditions. Plays a role in hepatitis C virus internal ribosome entry site-mediated translation. Mediates nuclear translocation of the androgen receptor (AR) and thereby enhances androgen-mediated transactivation. Promotes MAVS degradation and thereby negatively regulates MAVS-mediated innate immune response.

Function:

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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. PSMA7 interacts directly with the PSMG1-PSMG2 heterodimer which promotes 20S proteasome assembly. Interacts with HIV-1 TAT

protein. Interacts with hepatitis B virus X protein (HBX). Interacts with HIF1A. Interacts with RAB7A. Interacts with PARK2. Interacts with ABL1 and ABL2. Interacts with EMAP2. Interacts with MAVS.

Subcellular Location:

Cytoplasm. Nucleus.

Post-translational modifications:

Phosphorylation by ABL1 or ABL2 leads to an inhibition of proteasomal activity and cell cycle transition blocks.

Similarity:

Belongs to the peptidase T1A family.

SWISS:

O14818

Gene ID:

5688

Important Note:

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

产品图片