



PSMD11, Proteasome 26S non-ATPase subunit 11 polyclonal antibody

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Box 1 | Basic Info

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|------------------|---------------|
| Cat. No. | ABP-PAB-11682 |
| Animal ID | RB0259-0260 |
| Host | Rabbit |
| Reactivity | Human |
| Format | Purified |
| Accession number | NM_002815 |
| Amount | 100µg |

Alternative Name(s):

S9, p44.5, MGC3844

References:

1. Huang X, Seifert U, Salzmann U, Henklein P, Preissner R, Henke W, Sijts AJ, Kloetzel PM, Dubiel W: The RTP site shared by the HIV-1 Tat protein and the 11S regulator subunit alpha is crucial for their effects on proteasome function including antigen processing. *J. Mol. Biol.* 323(4): 771-782 (2002).

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. 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. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. The proteasome 26S non-ATPase subunit 11 (PSMD11) is a subunit of the 19S regulator.

Buffers

Purified rabbit polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.

Immunogen

KLH conjugated synthetic peptide comprised of amino acids 405 - 423 [CQNMSKVVDLSLYNKAKKLT] of the human proteasome 26S non-ATPase subunit 11 (PSMD11) protein.

Application

Tested by peptide-specific ELISA (1:1,000).

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C. Avoid repeated freeze-thaw cycles.