10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PSMB3 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5633

Specification

PSMB3 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P49720
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**H=23;M=23;R=23 KDa**
Isotype	**Rabbit IgG**
Antigen Source	**HUMAN**

PSMB3 Antibody (Center) - Additional Information

Gene ID 5691

Antigen Region
150-185

Other Names
Proteasome subunit beta type-3, Proteasome chain 13, Proteasome component C10-II, Proteasome theta chain, PSMB3

Dilution
WB~~1:2000

Target/Specificity
This PSMB3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 150-185 amino acids from the Central region of human PSMB3.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PSMB3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PSMB3 Antibody (Center) - Protein Information

Name PSMB3

Function
Non-catalytic component of the 20S core proteasome complex involved in the proteolytic degradation of most intracellular proteins. This complex plays numerous essential roles within the

cell by associating with different regulatory particles. Associated with two 19S regulatory particles, forms the 26S proteasome and thus participates in the ATP-dependent degradation of ubiquitinated proteins. The 26S proteasome plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins that could impair cellular functions, and by removing proteins whose functions are no longer required. Associated with the PA200 or PA28, the 20S proteasome mediates ubiquitin-independent protein degradation. This type of proteolysis is required in several pathways including spermatogenesis (20S-PA200 complex) or generation of a subset of MHC class I-presented antigenic peptides (20S-PA28 complex).

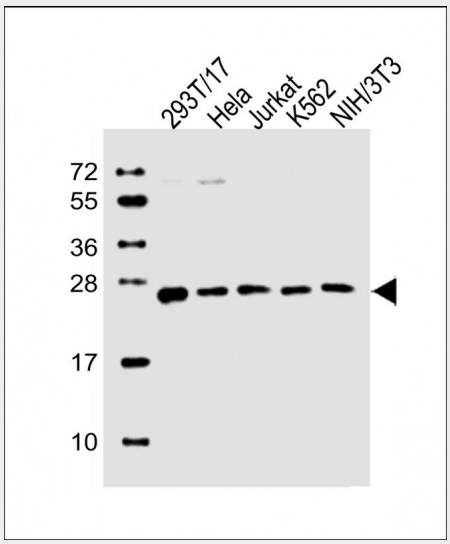
Cellular Location
Cytoplasm. Nucleus. Note=Translocated from the cytoplasm into the nucleus following interaction with AKIRIN2, which bridges the proteasome with the nuclear import receptor IPO9

PSMB3 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PSMB3 Antibody (Center) - Images



All lanes : Anti-PSMB3 Antibody (Center) at 1:2000 dilution Lane 1: 293T/17 whole cell lysate Lane 2: Hela whole cell lysate Lane 3: Jurkat whole cell lysate Lane 4: K562 whole cell lysate Lane 5: NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 23 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

PSMB3 Antibody (Center) - 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.

PSMB3 Antibody (Center) - References

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Rasmussen H.H.,et al.Electrophoresis 13:960-969(1992).
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