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Anti-PSMB4 Antibody (clone 6G7-E8)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17674

Specification

Anti-PSMB4 Antibody (clone 6G7-E8) - Product Information

Application	**WB, IHC-P, E**
Primary Accession	P28070
Predicted	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1,k**
Calculated MW	**29204**

Anti-PSMB4 Antibody (clone 6G7-E8) - Additional Information

Gene ID 5692

Alias Symbol	**PSMB4**

Other Names
PSMB4, 26 kDa prosomal protein, HsN3, HsBPROS26, Proteasome beta chain, Proteasome chain 3, Proteasome subunit beta type-4, Proteasome beta chain 4, Proteasome subunit HsN3, PROS-26, HN3, Macropain beta chain, PROS26

Target/Specificity
Human PSMB4

Reconstitution & Storage
Protein A purified

Precautions
Anti-PSMB4 Antibody (clone 6G7-E8) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-PSMB4 Antibody (clone 6G7-E8) - Protein Information

Name PSMB4

Synonyms PROS26

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). SMAD1/OAZ1/PSMB4 complex mediates the degradation of the CREBBP/EP300 repressor SNIP1.

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

Anti-PSMB4 Antibody (clone 6G7-E8) - 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

Anti-PSMB4 Antibody (clone 6G7-E8) - Images