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Anti-PSMB4 Antibody (clone 6G7-E8)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17674

Product Information

Application	WB, IHC-P, E
Primary Accession	P28070
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Names	6G7-E8
Calculated MW	29204
Concentration (mg/ml)	6139 mg/ml

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.

Protein Information

Name	PSMB4 (HGNC:9541)
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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.