

KD-Validated Anti-PSMD4 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1398

Product Information

Application	WB, FC
Primary Accession	P55036
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB3365
Calculated MW	40737
Gene Name	PSMD4
Aliases	PSMD4; Proteasome 26S Subunit Ubiquitin Receptor, Non-ATPase 4; AF; Rpn10; AF-1; S5A; Proteasome (Prosome, Macropain) 26S Subunit, Non-ATPase, 4; 26S Proteasome Non-ATPase Regulatory Subunit 4; 26S Proteasome Regulatory Subunit S5A; Proteasome 26S Subunit, Non-ATPase 4; Multiubiquitin Chain-Binding Protein; Antisecretory Factor 1; MCB1; ASF; 26S Proteasome Regulatory Subunit RPN10; S5a/Antisecretory Factor Protein; Angiocidin; PUB-R5
Immunogen	A synthesized peptide derived from human PSMD4

Additional Information

Gene ID	5710
Other Names	26S proteasome non-ATPase regulatory subunit 4, 26S proteasome regulatory subunit RPN10, 26S proteasome regulatory subunit S5A, Antisecretory factor 1, AF, ASF, Multiubiquitin chain-binding protein, PSMD4, MCB1

Protein Information

Name	PSMD4
Synonyms	MCB1
Function	Component of the 26S proteasome, a multiprotein complex involved in the ATP-dependent degradation of ubiquitinated proteins. This complex plays a key role in the maintenance of protein homeostasis by removing misfolded or damaged proteins, which could impair cellular functions, and by removing proteins whose functions are no longer required. Therefore, the proteasome participates in numerous cellular processes, including cell cycle progression, apoptosis, or DNA damage repair. PSMD4 acts as an ubiquitin receptor subunit through ubiquitin- interacting motifs and selects ubiquitin-conjugates for destruction. Displays a preferred selectivity for longer polyubiquitin chains.

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