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PSMD4 Antibody

Rabbit mAb
Catalog # AP92023

Product Information

Application	WB, FC, IP
Primary Accession	P55036
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	PSMD4; AF; AF-1; ASF; MCB1; Rpn10; S5A; pUB-R5;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	40737

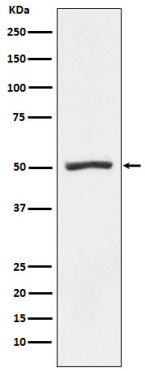
Additional Information

Dilution	WB 1:500~1:2000 IP 1:50 FC 1:100
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human PSMD4
Description	Binds and presumably selects ubiquitin-conjugates for destruction. Displays selectivity for longer polyubiquitin chains. Modulates intestinal fluid secretion.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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.

Images



Western blot analysis of Proteasome 19S S5A expression in K562 cell lysate.