

## PSMD4

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:**41kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human PSMD4

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

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**Synonym:**

PSMD4;AF;AF-1;ASF;MCB1;Rpn10;S5A;pUB-R5 ;

**Catalog #:**A1061

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**5710

**Isotype:**IgG

**Swiss Prot:**P55036

**Purity:**Affinity purification

For research use only.

**Background:**

S5a (PSMD4) is a subunit of the 19S regulatory proteasome complex functioning in ubiquitinated-protein targeting and degradation (1). S5a contains two polyubiquitin binding motifs (UIM) that bind multiubiquitin chains by hydrophobic interaction (2,3). In addition to ubiquitin, the UIM of S5a shows high affinity to a ubiquitin-like domain present in many proteins. S5a binds to these types of proteins directly and mediates their targeting to the proteasome for degradation (4,5).

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