

## PSME3

**Reactivity:**Human Rat

**Tested applications:**WB IHC IF

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:20 - 1:50

**Calculated MW:**30kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human PSME3

**Storage Buffer:**

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

**Synonym:**

PSME3;Ki;PA28-gamma;PA28G;REG-GAMMA ;

**Catalog #:**A0271

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**10197

**Isotype:**IgG

**Swiss Prot:**P61289

**Purity:**Affinity purification

For research use only.

**Background:**

The 20S proteasome is the major proteolytic enzyme complex involved in intracellular protein degradation. PA700, PA28, and PA200 are three major protein complexes that function as activators of the 20S proteasome. There are three evolutionarily conserved subunits of PA28: PA28 (PSME1), PA28 (PSME2), and PA28 (PSME3) (1,2). PA28 and PA28 form a heteroheptameric complex and function by binding to the 20S complex at its opening site(s). The PA28/ complex is present throughout the cell and participates in MHC class I antigen presentation by promoting the generation of antigenic peptides from foreign proteins (2). PA28 exists in the form of a homoheptamer and is mainly located in the nucleus. The PA28 complex exerts its function by binding and guiding specific nuclear target proteins to the 20S proteasome for further degradation (3,4).

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