



# PSMB9 (PT2002R)Rabbit mAb

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-rAb-18542                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Reactivity</b>                  | Human,Mouse,Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Applications</b>                | WB、IHC、IF、ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Gene Name</b>                   | PSMB9 LMP2 PSMB6i RING12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Immunogen</b>                   | The specific immunogen used to produce this antibody is proprietary information.                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Specificity</b>                 | Endogenous                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Formulation</b>                 | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>                      | Monoclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purification</b>                | Recombinant Antibody expressed in animal component-free (ACF) media, purified via Protein A affinity chromatography.                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Dilution</b>                    | IHC 1:200-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000<br>Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0 (Cat#YS0004)                                                                                                                                                                                                                                                                                                                                                  |
| <b>Concentration</b>               | 0.5 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage Stability</b>           | -15°C to -25°C/1 year(Do not lower than -25°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>                    | PSMB9 LMP2 PSMB6i RING12;Proteasome subunit beta type-9 (Low molecular mass protein 2) (Macropain chain 7) (Multicatalytic endopeptidase complex chain 7) (Proteasome chain 7) (Proteasome subunit beta-1i) (Really interesting new gene 12 protein)                                                                                                                                                                                                                                                          |
| <b>Observed Band</b>               | 21kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Calculated Molecular Weight</b> | 23kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Cell Pathway</b>                | Cytoplasm . Nucleus .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Tissue Specificity</b>          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Function</b>                    | The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg , Phe , Tyr , Leu , and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity. This subunit is involved in antigen processing to generate class I binding peptides. Replacement of PSMB6 by PSMB9 increases the capacity of the immunoproteasome to cleave model peptides after hydrophobic and basic residues. |
| <b>Background</b>                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |



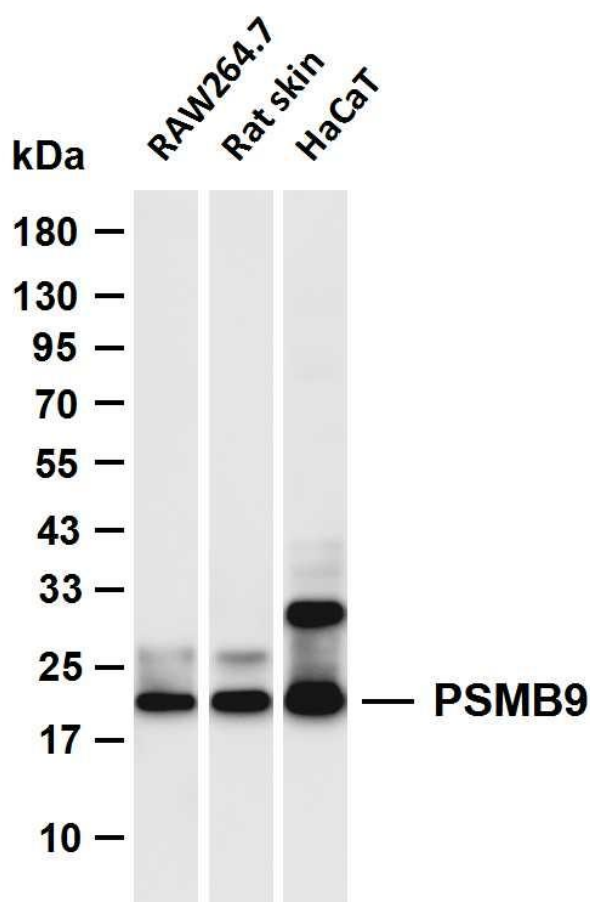
### matters needing attention

Avoid repeated freezing and thawing!

### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-PSMB9 (PT2002R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.

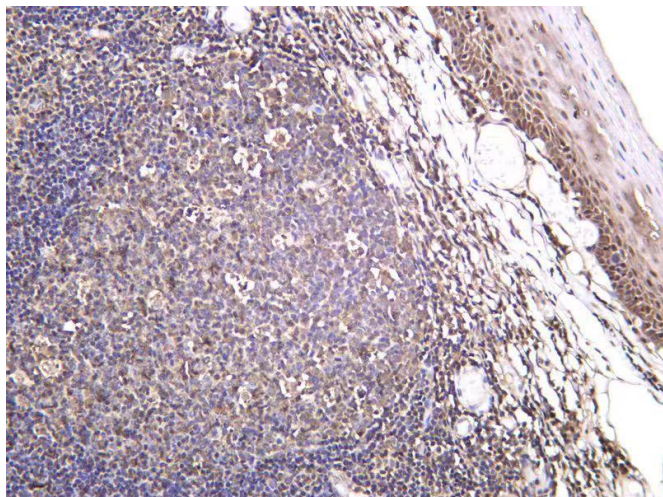
Lane 1: RAW264.7

Lane 2: Rat skin

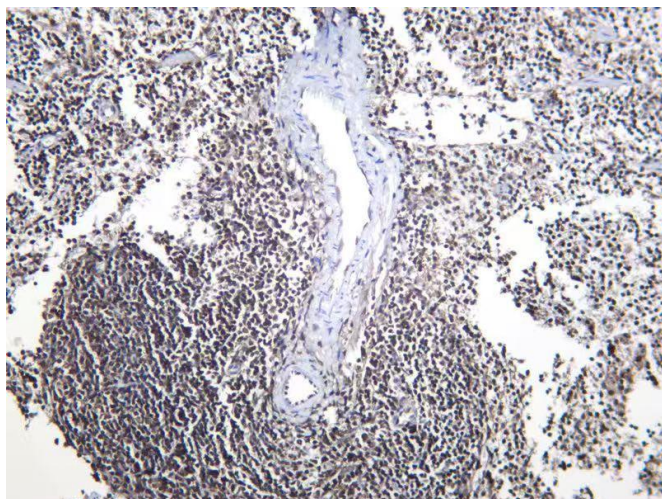
Lane 3: HaCaT

Predicted band size: 23kDa

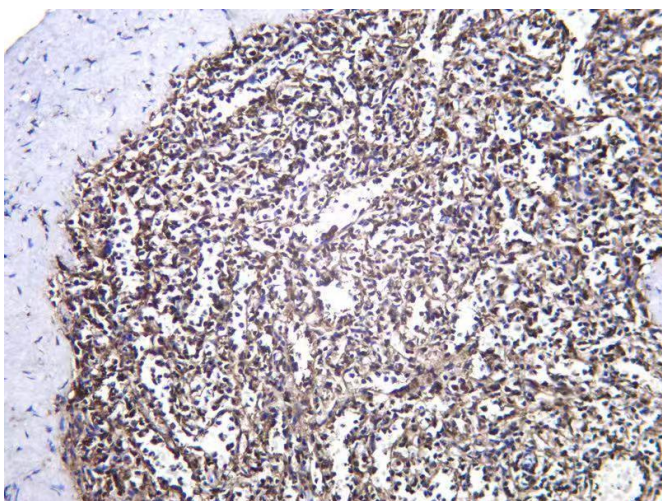
Observed band size: 21kDa



Human tonsil was stained with anti-PSMB9 (PT2002R) Rabbit antibody



Mouse spleen was stained with anti-PSMB9 (PT2002R) Rabbit antibody



Human spleen was stained with anti-PSMB9 (PT2002R) Rabbit antibody