

PSMB8 Rabbit Polyclonal Antibody



CAB7340

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

23-28kDa

Calculated MW:

29kDa/30kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200 IF 1:50 - 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein Background

The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. This gene is located in the class II region of the MHC (major histocompatibility complex). Expression of this gene is induced by gamma interferon and this gene product replaces catalytic subunit 3 (proteasome beta 5 subunit) in the immunoproteasome. Proteolytic processing is required to generate a mature subunit. Two alternative transcripts encoding two isoforms have been identified; both isoforms are processed to yield the same mature subunit.

Immunogen information

Gene ID:

5696

Uniprot

P28062

Synonyms:

PSMB8; ALDD; D6S216; D6S216E; JMP; LMP7; NKJO; PSMB5;
RING10

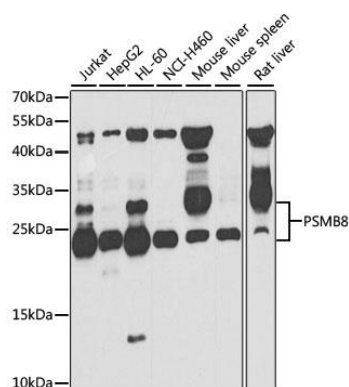
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 163-272 of human PSMB8 (NP_004150.1).

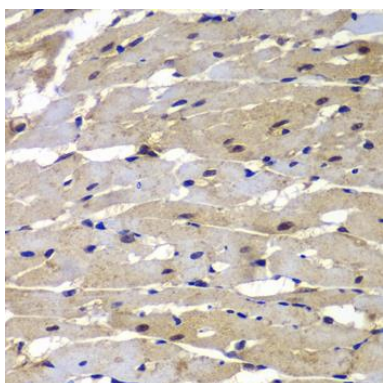
Storage:

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

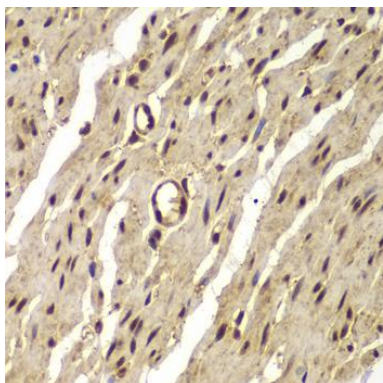
Product Images



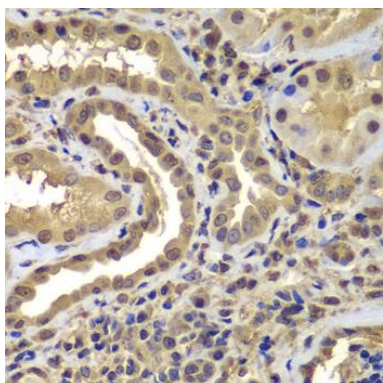
Western blot analysis of extracts of various cell lines, using PSMB8 antibody (CAB7340) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Immunohistochemistry of paraffin-embedded rat heart using PSMB8 antibody (CAB7340) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human colon using PSMB8 antibody (CAB7340) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human kidney using PSMB8 antibody (CAB7340) at dilution of 1:100 (40x lens).