

PSMB2 Rabbit Polyclonal Antibody



CAB13630

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

23kDa

Calculated MW:

22kDa

Applications:

WB IHC IF IP

Reactivity:

Human

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200 IF 1:50 - 1:200 IP
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. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

Immunogen information

Gene ID:

5690

Uniprot

P49721

Synonyms:

PSMB2; HC7-I

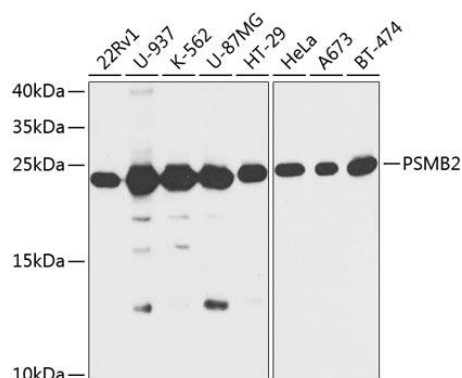
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-201 of human PSMB2 (NP_002785.1).

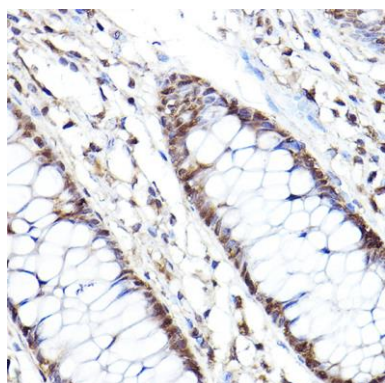
Storage:

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

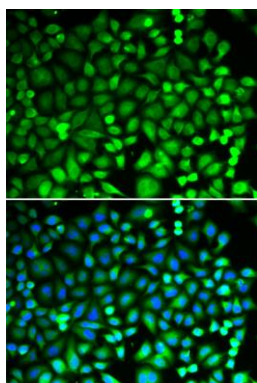
Product Images



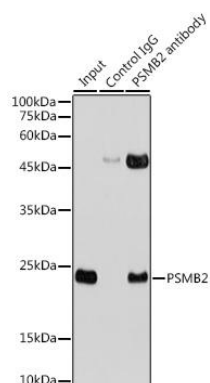
Western blot analysis of extracts of various cell lines, using PSMB2 antibody (CAB13630) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 15s.



Immunohistochemistry of paraffin-embedded human colon using PSMB2 Rabbit pAb (CAB13630) at dilution of 1:150 (40x lens).



Immunofluorescence analysis of MCF-7 cells using PSMB2 antibody (CAB13630). Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 300ug extracts of HeLa cells using 3ug PSMB2 antibody (CAB13630). Western blot was performed from the immunoprecipitate using PSMB2 antibody (CAB13630) at a dilution of 1:1000.