PSME3 Rabbit Polyclonal Antibody

CAB0271

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

32kDa

Calculated MW:

29kDa/30kDa

Applications:

WB IF

Reactivity:

Human, Rat

Antibody Information

Recommended dilutions:
WB 1:500 - 1:2000 IF 1:20 - 1:50

Source:
Rabbit

Isotype:
IgG

Purification:
Affinity purification

Protein Background

The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core 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. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase 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. The immunoproteasome contains an alternate regulator, referred to as the 11S regulator or PA28, that replaces the 19S regulator. Three subunits (alpha, beta and gamma) of the 11S regulator have been identified. This gene encodes the gamma subunit of the 11S regulator. Six gamma subunits combine to form a homohexameric ring. Alternate splicing results in multiple transcript variants.

Immunogen information

Gene ID:
10197

Uniprot
P61289

Synonyms:
PSME3; HEL-S-283; Ki; PA28-gamma; PA28G; PA28gamma; REG-GAMMA

Immunogen:
Recombinant fusion protein containing a sequence corresponding to amino acids 1-254 of human PSME3 (NP_789839.1).

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

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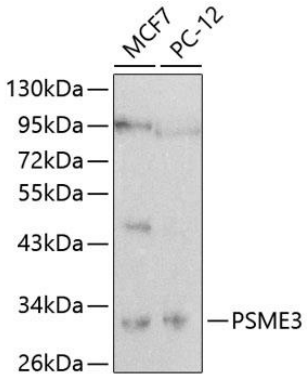
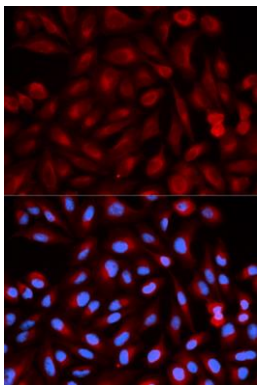
Product Images



Western blot analysis of extracts of various cell lines, using PSME3 antibody (CAB0271). 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.



Immunofluorescence analysis of HeLa cells using PSME3 antibody (CAB0271). Blue: DAPI for nuclear staining.

