

## Product datasheet

# Anti-Proteasome 26S S3/PSMD3 antibody ab3316

[1 References](#) [4 Images](#)

### Overview

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<b>Product name</b>	Anti-Proteasome 26S S3/PSMD3 antibody
<b>Description</b>	Rabbit polyclonal to Proteasome 26S S3/PSMD3
<b>Host species</b>	Rabbit
<b>Specificity</b>	Detects proteasome 26S subunit S3.
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Cow, Drosophila melanogaster, Non human primates 
<b>Immunogen</b>	Synthetic peptide corresponding to Human Proteasome 26S S3/PSMD3 aa 513-534. Sequence: EREQQDLEFAKEMAEDDDDSFP <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Constituents: 0.1% BSA, 99% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab3316 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use a concentration of 1 - 20 µg/ml.
ICC/IF		1/50 - 1/500.

## Target

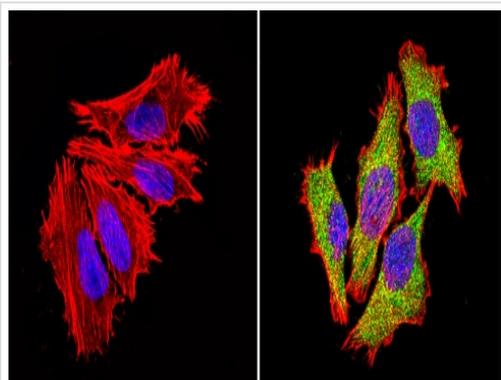
### Function

Acts as a regulatory subunit of the 26 proteasome which is involved in the ATP-dependent degradation of ubiquitinated proteins.

### Sequence similarities

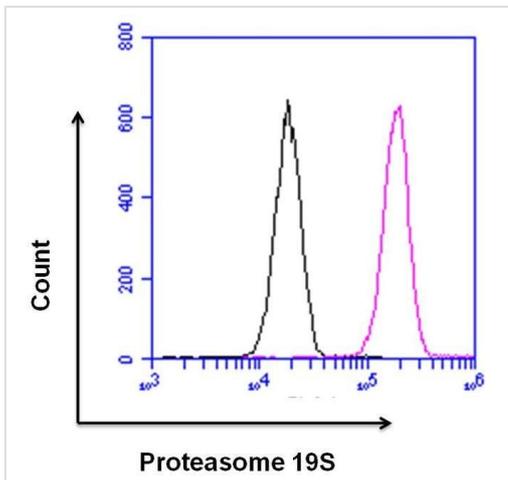
Belongs to the proteasome subunit S3 family.  
Contains 1 PCI domain.

## Images



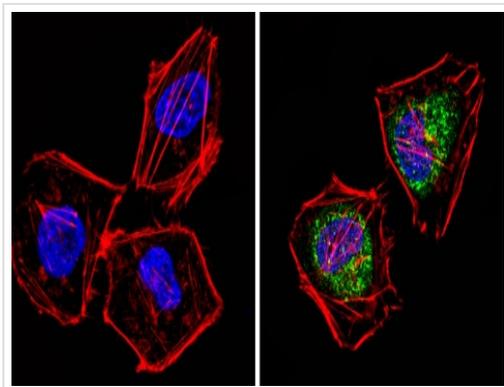
Immunocytochemistry/ Immunofluorescence - Anti-Proteasome 26S S3/PSMD3 antibody (ab3316)

Immunocytochemistry/Immunofluorescence analysis of Proteasome 26S S3/PSMD3 (green) showing staining in the cytoplasm and nucleus of A549 cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were incubated with ab3316 in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4°C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.



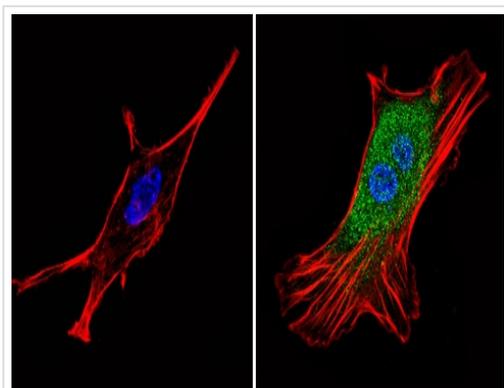
Flow Cytometry - Anti-Proteasome 26S S3/PSMD3 antibody (ab3316)

Flow Cytometry analysis of HeLa cells labeling Proteasome 26S S3/PSMD3 with ab3316 (Pink) or a rabbit IgG isotype control (Black) 10 µg/mL. Goat anti-Rabbit IgG (H+L) Superclonal™ Alexa Fluor® 647 conjugate at a dilution of 1/50 was used as the Secondary Antibody.



Immunocytochemistry/ Immunofluorescence - Anti-Proteasome 26S S3/PSMD3 antibody (ab3316)

Immunocytochemistry/Immunofluorescence analysis of Proteasome 26S S3/PSMD3 (green) showing staining in the cytoplasm and nucleus of HeLa cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were incubated with ab3316 in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4°C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.



Immunocytochemistry/ Immunofluorescence - Anti-Proteasome 26S S3/PSMD3 antibody (ab3316)

Immunocytochemistry/Immunofluorescence analysis of Proteasome 26S S3/PSMD3 (green) showing staining in the cytoplasm and nucleus of NIH-3T3 cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were incubated with ab3316 in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4°C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.

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- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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