

Product datasheet

Anti-Proteasome 19S S5A/ASF antibody [AH1.1] ab20239

★★★★★ [2 Abreviews](#) [9 References](#) [2 Images](#)

Overview

Product name	Anti-Proteasome 19S S5A/ASF antibody [AH1.1]
Description	Mouse monoclonal [AH1.1] to Proteasome 19S S5A/ASF
Host species	Mouse
Tested applications	Suitable for: Flow Cyt, IP
Species reactivity	Reacts with: Human Does not react with: Mouse
Immunogen	The details of the immunogen for this antibody are not available.
General notes	<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&As</p>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: 99.98% PBS
Purity	Protein A/G purified
Clonality	Monoclonal
Clone number	AH1.1
Myeloma	Sp2/0-Ag14
Isotype	IgG1
Light chain type	unknown

Applications

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab20239 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 1 µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IP		Use a concentration of 5 µg/ml.

Target

Function

Binds and presumably selects ubiquitin-conjugates for destruction. Displays selectivity for longer polyubiquitin chains. Modulates intestinal fluid secretion.

Sequence similarities

Belongs to the proteasome subunit S5A family.
Contains 2 UIM (ubiquitin-interacting motif) repeats.
Contains 1 VWFA domain.

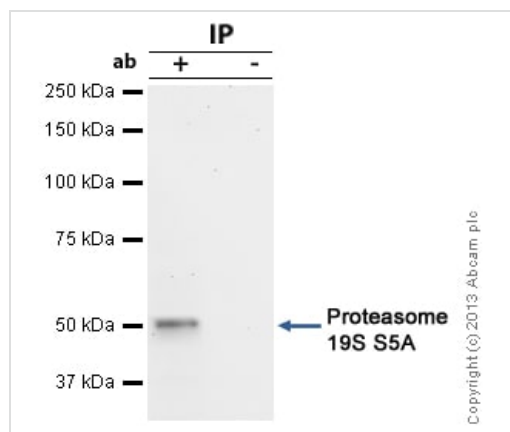
Domain

The 2 UIM motifs are involved in the binding to a multi-ubiquitin chain in a cooperative way.

Post-translational modifications

Phosphorylated upon DNA damage, probably by ATM or ATR.

Images



Immunoprecipitation - Anti-Proteasome 19S S5A/ASF antibody [AH1.1] (ab20239)

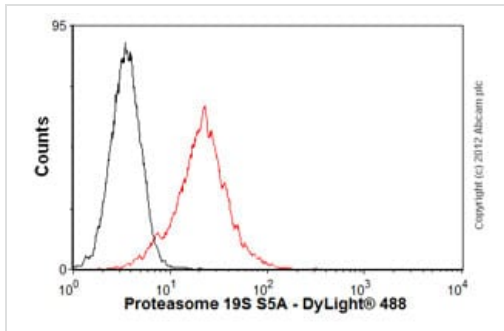
Proteasome 19S S5A/ASF was immunoprecipitated using 0.5mg Hela whole cell extract, 5µg of Mouse monoclonal to Proteasome 19S S5A/ASF and 50µl of protein G magnetic beads (+). No antibody was added to the control (-).

The antibody was incubated under agitation with Protein G beads for 10min, Hela whole cell extract lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.

Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab20239.

Secondary: Goat polyclonal to mouse IgG light chain specific (HRP) at 1/20,000 dilution.

Band: 41kDa; Proteasome 19S S5A/ASF



Flow Cytometry - Anti-Proteasome 19S S5A/ASF antibody [AH1.1] (ab20239)

Overlay histogram showing HeLa cells stained with ab20239 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab20239, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] ([ab91353](#), 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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