abcam

Product datasheet

Anti-PSMC5 antibody [EPR13565(B)] - BSA and Azide free ab240208

Recombinant RabMAb

11 Images

Overview

Product name	Anti-PSMC5 antibody [EPR13565(B)] - BSA and Azide free
Description	Rabbit monoclonal [EPR13565(B)] to PSMC5 - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** Flow Cyt (Intra), WB, ICC/IF, IHC-P, IP
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	ab240208 is the carrier-free version of **ab178681**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR13565(B)
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab240208 in the following tested applications.

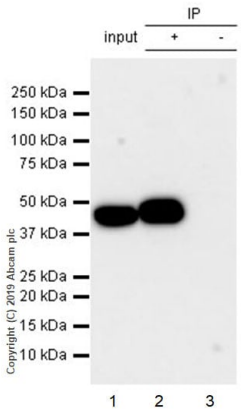
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration. **ab199376** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		Use at an assay dependent concentration. Predicted molecular weight: 46 kDa.
ICC/IF		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0).
IP		Use at an assay dependent concentration.

Target

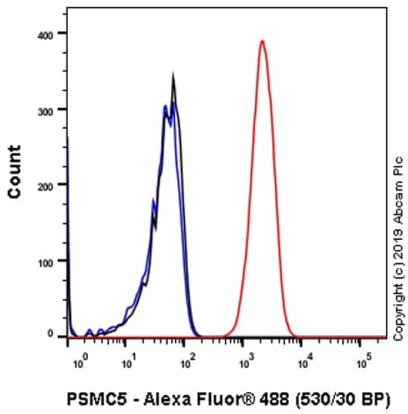
Function	The 26S protease is involved in the ATP-dependent degradation of ubiquitinated proteins. The regulatory (or ATPase) complex confers ATP dependency and substrate specificity to the 26S complex.
Sequence similarities	Belongs to the AAA ATPase family.
Cellular localization	Cytoplasm. Nucleus.

Images



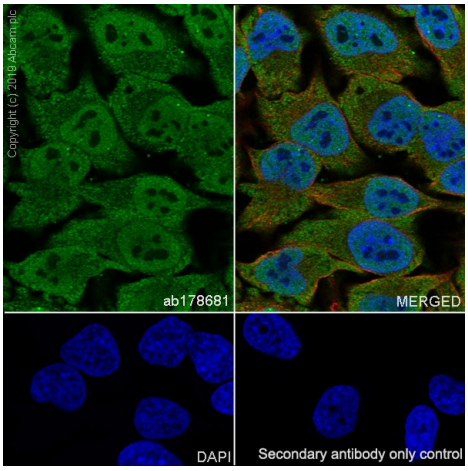
Immunoprecipitation - Anti-PSMC5 antibody [EPR13565(B)] - BSA and Azide free (ab240208)

ab178681 (Purified) at 1:40 dilution (2µg) immunoprecipitating PSMC5 in HepG2 whole cell lysate.
Lane 1 (input): HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysate (10µg)
Lane 2 (+): **ab178681** & HepG2 whole cell lysate
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of **ab178681** in HepG2 whole cell lysate
For western blotting, VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used at 1:1000 dilution.
Blocking and diluting buffer: 5% NFDM/TBST.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (anti psmc5 antibody epr13565 b immunoprecipitation hepg2 human)



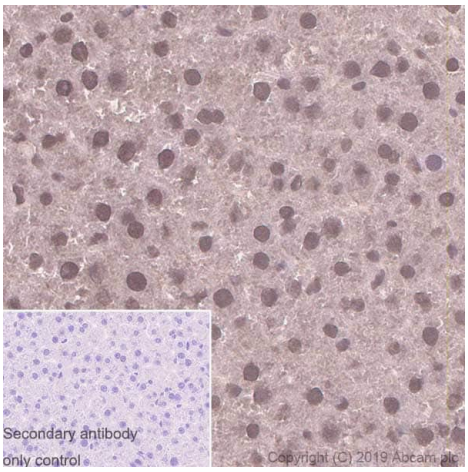
Flow Cytometry (Intracellular) - Anti-PSMC5 antibody [EPR13565(B)] - BSA and Azide free (ab240208)

Intracellular Flow Cytometry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling PSMC5 with purified **ab178681** at 1/90 dilution (10 µg/ml) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue). This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab178681**)



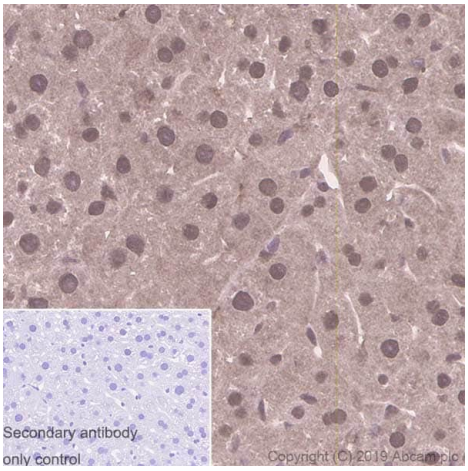
Immunocytochemistry/ Immunofluorescence - Anti-PSMC5 antibody [EPR13565(B)] - BSA and Azide free (ab240208)

Immunocytochemistry/ Immunofluorescence analysis of HeLa (Human cervix adenocarcinoma epithelial cell) cells labeling PSMC5 with Purifiedab178681 at 1/500 dilution (1.7 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (anti psmc5 antibody epr13565 b immunocytochemistry hela human)



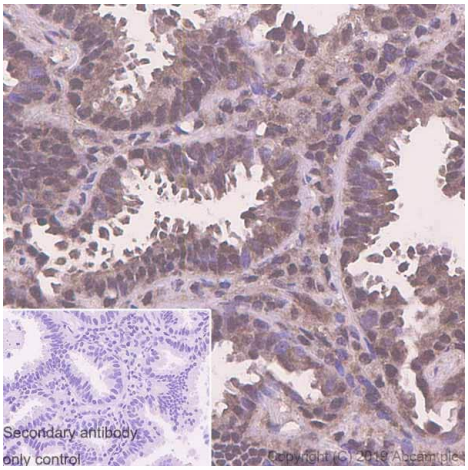
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PSMC5 antibody [EPR13565(B)] - BSA and Azide free (ab240208)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat liver tissue sections labeling PSMC5 with Purified **ab178681** at 1/2000 dilution (0.43 µg/ml). Heat mediated antigen retrieval was performed using Bond™ Epitope Retrieval Solution 2 (pH 9.0). Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab178681**)



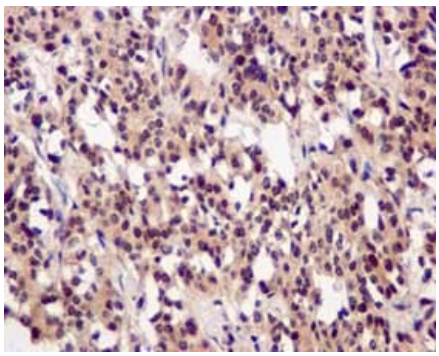
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PSMC5 antibody [EPR13565(B)] - BSA and Azide free (ab240208)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse liver tissue sections labeling PSMC5 with Purified **ab178681** at 1/2000 dilution (0.43 µg/ml). Heat mediated antigen retrieval was performed using Bond™ Epitope Retrieval Solution 2 (pH 9.0). Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab178681**)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PSMC5 antibody [EPR13565(B)] - BSA and Azide free (ab240208)

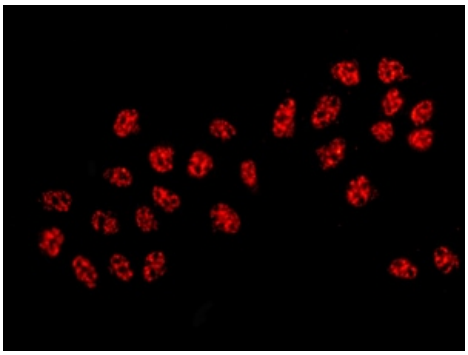
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human lung carcinoma tissue sections labeling PSMC5 with Purified **ab178681** at 1/2000 dilution (0.43 µg/ml). Heat mediated antigen retrieval was performed using Bond™ Epitope Retrieval Solution 2 (pH 9.0). Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab178681**)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PSMC5 antibody [EPR13565(B)] - BSA and Azide free (ab240208)

Immunohistochemical analysis of paraffin-embedded Human thyroid carcinoma tissue labeling PSMC5 with unpurified **ab178681** at 1/50 dilution.

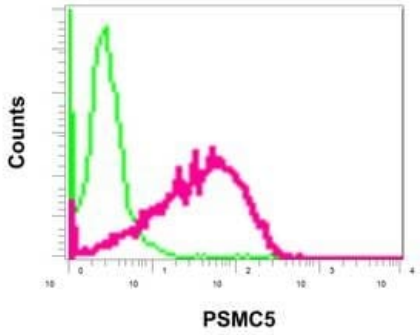
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab178681**).



Immunocytochemistry/ Immunofluorescence - Anti-PSMC5 antibody [EPR13565(B)] - BSA and Azide free (ab240208)

Immunofluorescent analysis of HeLa cells labeling PSMC5 with unpurified **ab178681** at 1/100 dilution.

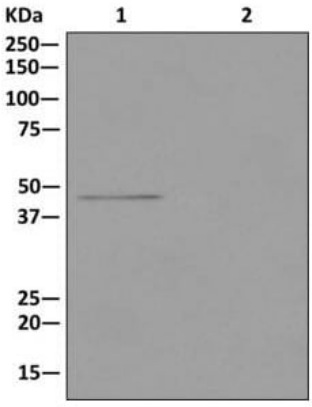
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab178681**).



Flow Cytometry (Intracellular) - Anti-PSMC5 antibody [EPR13565(B)] - BSA and Azide free (ab240208)

Intracellular flow cytometric analysis of permeabilized Hela cellslabeling PSMC5 withunpurified **ab178681** at 1/100 dilution (red) compared to a rabbit IgG negative control (green).

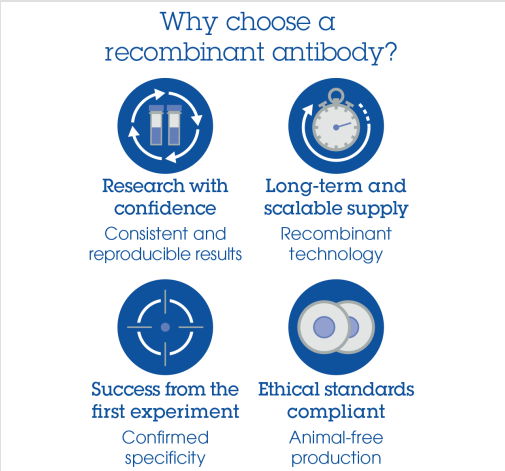
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab178681**).



Immunoprecipitation - Anti-PSMC5 antibody [EPR13565(B)] - BSA and Azide free (ab240208)

Western blot analysis on immunoprecipitation pellet from (Lane 1) 293T cell lysate or (Lane 2) 1XPBS (negative control) using unpurified **ab178681** and HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab178681**).



Anti-PSMC5 antibody [EPR13565(B)] - BSA and Azide free (ab240208)

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