

Product datasheet

Anti-PRPF8/Prp8 antibody [EPR15229] - BSA and Azide free ab239003

Recombinant RabMAb

[7 Images](#)

Overview

Product name	Anti-PRPF8/Prp8 antibody [EPR15229] - BSA and Azide free
Description	Rabbit monoclonal [EPR15229] to PRPF8/Prp8 - BSA and Azide free
Host species	Rabbit
Specificity	The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.
Tested applications	Suitable for: WB, Flow Cyt, ICC/IF, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human PRPF8/Prp8 aa 2250 to the C-terminus. The exact sequence is proprietary. Database link: Q6P2Q9
Positive control	IHC-P: Human gastric cancer tissue.
General notes	ab239003 is the carrier-free version of ab185547 This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.

Our [carrier-free formats](#) are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.

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.

Ab239003 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.

Maxpar® is a trademark of Fluidigm Canada Inc.

Previously labelled as PRPF8.

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](#).

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise[™] guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

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	EPR15229
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab239003** in the following tested applications.

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

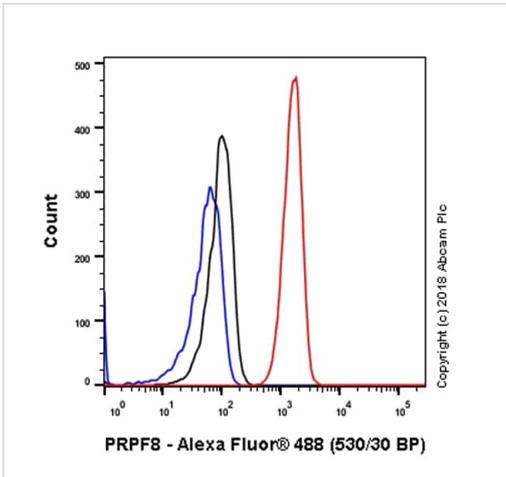
Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 274 kDa (predicted molecular weight: 274 kDa).

Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.

Target

Function	Central component of the spliceosome, which may play a role in aligning the pre-mRNA 5'- and 3'-exons for ligation. Interacts with U5 snRNA, and with pre-mRNA 5'-splice sites in B spliceosomes and 3'-splice sites in C spliceosomes.
Tissue specificity	Widely expressed.
Involvement in disease	Defects in PRPF8 are the cause of retinitis pigmentosa type 13 (RP13) [MIM:600059]. RP leads to degeneration of retinal photoreceptor cells. Patients typically have night vision blindness and loss of midperipheral visual field. As their condition progresses, they lose their far peripheral visual field and eventually central vision as well. RP13 inheritance is autosomal dominant.
Sequence similarities	Contains 1 MPN (JAB/Mov34) domain.
Domain	The MPN domain has structural similarity with viral ribonucleases and RNase H, but unlike RNases, it does not bind any metal ions.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Nucleus speckle.

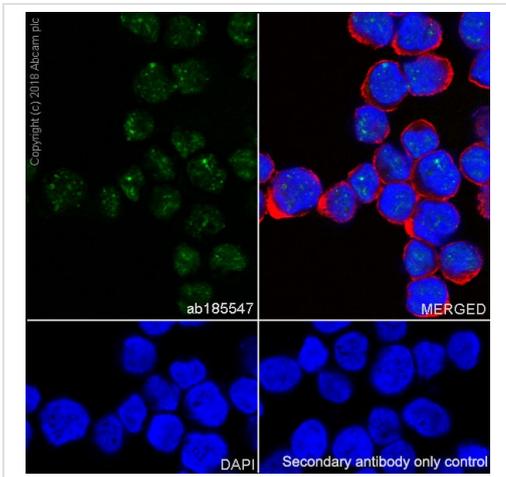
Images



Flow Cytometry - Anti-PRPF8/Prp8 antibody [EPR15229] - BSA and Azide free (ab239003)

Flow Cytometry analysis of K-562 (human chronic myelogenous leukemia lymphoblast) cells labeling PRPF8/Prp8 with Purified [ab185547](#) at 1:100 dilution (10 µg/ml) (red). Cells were fixed with 4% Paraformaldehyde. 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).

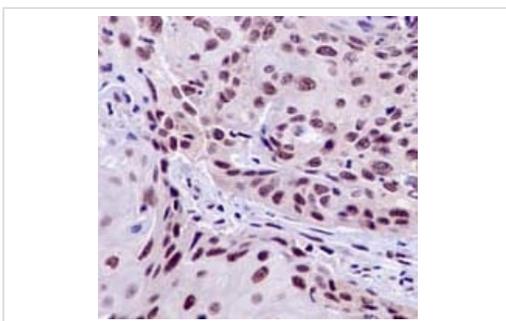
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab185547](#)).



Immunocytochemistry/ Immunofluorescence - Anti-PRPF8/Prp8 antibody [EPR15229] - BSA and Azide free (ab239003)

Immunocytochemistry/ Immunofluorescence analysis of K-562 (human chronic myelogenous leukemia lymphoblast) cells labeling PRPF8/Prp8 with Purified [ab185547](#) at 1:100 dilution (10 µg/ml). Cells were fixed in 100% Methanol. 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 nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

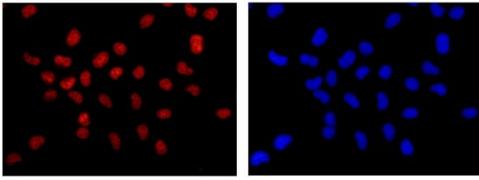
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab185547](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRPF8/Prp8 antibody [EPR15229] - BSA and Azide free (ab239003)

Immunohistochemical analysis of paraffin embedded Human cervix carcinoma tissue sections labeling PRPF8/Prp8 using unpurified [ab185547](#) at a 1/250 dilution. A ready to use HRP Polymer for Rabbit IgG was used as the secondary. Hematoxylin counterstain.

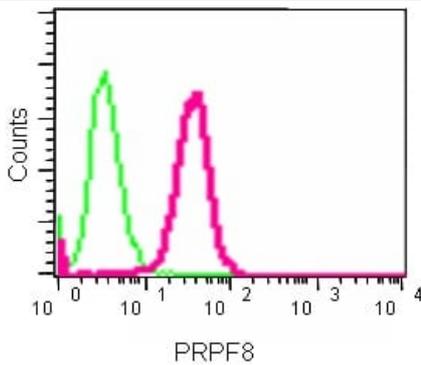
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab185547](#)).



Immunocytochemistry/ Immunofluorescence - Anti-PRPF8/Prp8 antibody [EPR15229] - BSA and Azide free (ab239003)

Immunofluorescent analysis of formaldehyde fixed HeLa cells labeling PRPF8/Prp8 using unpurified [ab185547](#) at a 1/250 dilution. A Goat anti rabbit IgG (Alexa Fluor®555) was used as the secondary at a 1/200 dilution.

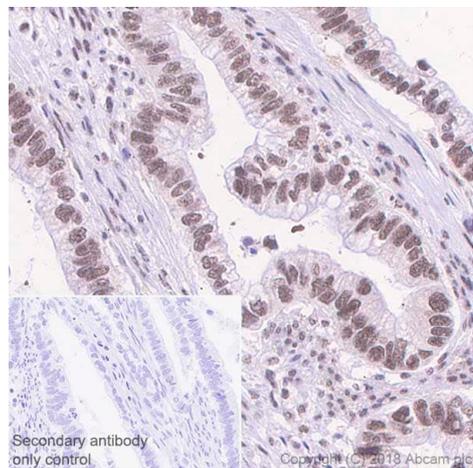
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab185547](#)).



Flow Cytometry - Anti-PRPF8/Prp8 antibody [EPR15229] - BSA and Azide free (ab239003)

Flow Cytometry analysis of K562 cells labeling PRPF8/Prp8 using unpurified [ab185547](#) at a 1/190 dilution (pink). Goat anti rabbit IgG (FITC) used as the secondary at a 1/150 dilution. Isotype control Rabbit monoclonal IgG (green). Cells were fixed in 2% paraformaldehyde.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab185547](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRPF8/Prp8 antibody [EPR15229] - BSA and Azide free (ab239003)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human gastric cancer tissue sections labeling PRPF8/Prp8 with Purified [ab185547](#) at 1:2000 dilution (0.52 µg/ml). Heat mediated antigen retrieval was performed using [ab93684](#) (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) 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 ([ab185547](#)).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-PRPF8/Prp8 antibody [EPR15229] - BSA and Azide free (ab239003)

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

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