

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: Flow Cyt (Intra), WB, ICC/IF, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human gastric cancer tissue.
General notes	ab239003 is the carrier-free version of ab185547 .

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	EPR15229
Isotype	IgG

Applications

The Abpromise guarantee 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.

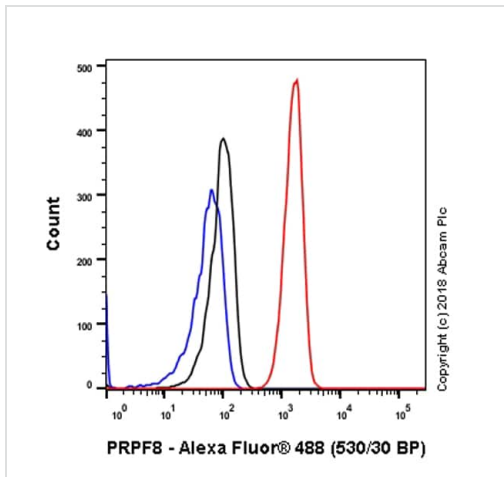
Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		Use at an assay dependent concentration. Detects a band of approximately 274 kDa (predicted molecular weight: 274 kDa).
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.

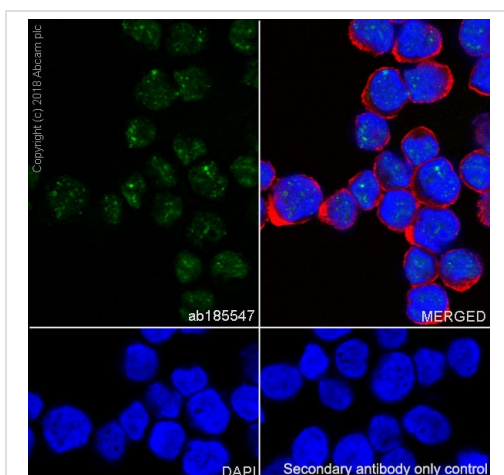
Images



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

Intracellular 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).

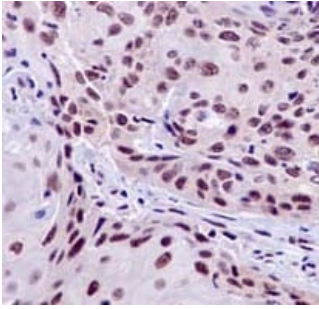
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab185547](#)).



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.

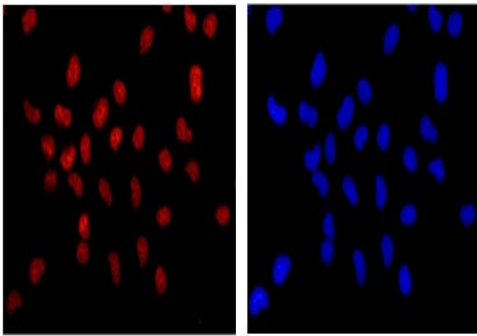
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab185547](#)).



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.

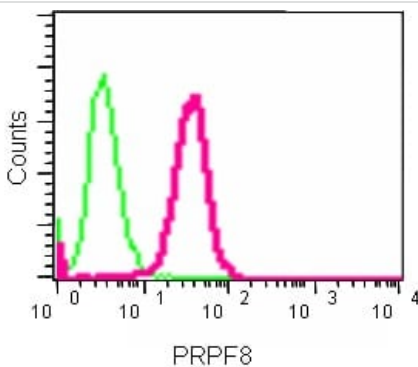
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab185547**).



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.

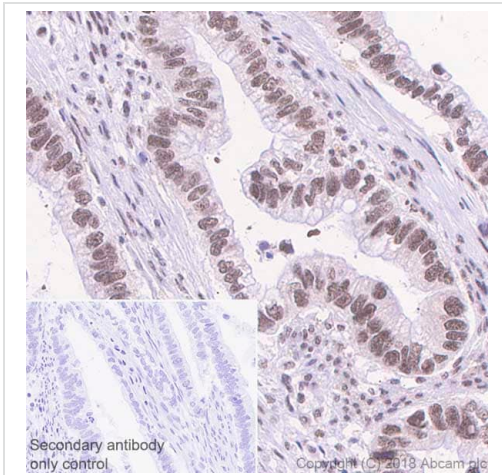
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab185547**).



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

Intracellular 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) 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**).

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

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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

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