abcam

ab251263

Anti-PRPF4 antibody [EPR17207] - BSA and Azide free

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EPR17207
Purification technique	Affinity purification Protein A
Concentration	1.064 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

WB

Tested

Species	Mouse, Rat, Human
Dilution info	-

Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	-

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

IHC-P

Tested

Species	Mouse, Rat, Human
Dilution info	-
Notes	-

Target data

See full target information PRPF4

Function	Plays a role in pre-mRNA splicing as component of the U4/U6-U5 tri-snRNP complex that is involved in spliceosome assembly, and as component of the precatalytic spliceosome (spliceosome B complex).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C

Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

ab251263 is the carrier-free version of ab198998.

Patented technology

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?

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 batch production

For more information, read more on recombinant antibodies.

Conjugation ready

Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. 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.

Compatibility

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.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

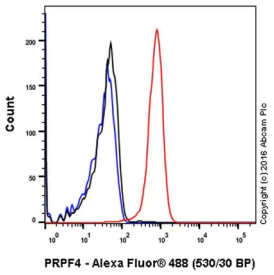
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

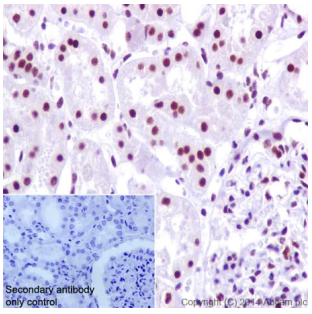
8 product images



Flow Cytometry (Intracellular) - Anti-PRPF4 antibody [EPR17207] - BSA and Azide free (ab251263)

PRPF4 Flow Cytometry (Intracellular) staining using rabbit Anti-PRPF4 antibody

This data was developed using ab198998, the same antibody clone in a different buffer formulation.
Intracellular Flow Cytometry analysis of HeLa cells labelling PRPF4 (red) with purified ab198998 at dilution of 1/70. The secondary antibody used was Alexa Fluor® 488 goat-anti-rabbit IgG (1/2000). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Isotype control antibody was Rabbit monoclonal IgG (black). The blue line shows cells without incubation with primary antibody and secondary antibody.

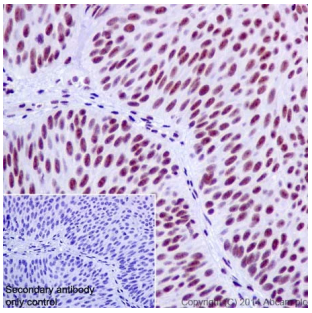


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRPF4 antibody [EPR17207] - BSA and Azide free (ab251263)

PRPF4 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-PRPF4 antibody

This data was developed using ab198998, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling PRPF4 with ab198998 at 1/500 followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500. Counter stained with Hematoxylin. Nuclear staining on Human kidney tissue was observed (Subcellular location - Nucleus speckle [UniProt]).
Negative control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



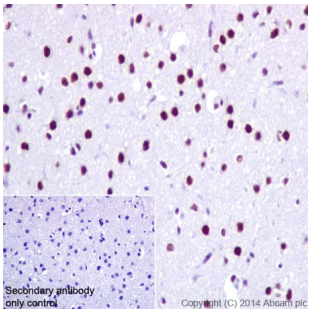
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRPF4 antibody [EPR17207] - BSA and Azide free (ab251263)

PRPF4 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-PRPF4 antibody

This data was developed using ab198998, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Human transitional cell carcinoma of bladder tissue labeling PRPF4 with ab198998 at 1/500 followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500. Counter stained with Hematoxylin. Nuclear staining on Human transitional cell carcinoma of bladder tissue was observed (Subcellular location - Nucleus speckle [UniProt]).

Negative control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

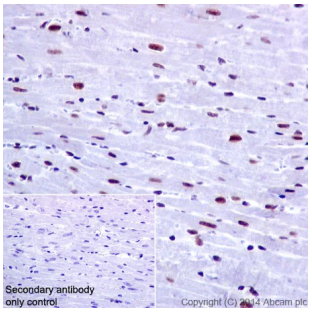


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRPF4 antibody [EPR17207] - BSA and Azide free (ab251263)

PRPF4 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-PRPF4 antibody

This data was developed using ab198998, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Rat cerebral cortex tissue labeling PRPF4 with ab198998 at 1/500 followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500. Counter stained with Hematoxylin. Nuclear staining on Rat cerebral cortex tissue was observed (Subcellular location - Nucleus speckle [UniProt]).
Negative control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

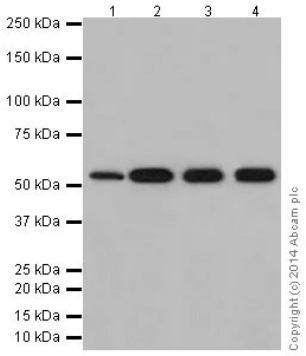


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRPF4 antibody [EPR17207] - BSA and Azide free (ab251263)

PRPF4 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-PRPF4 antibody

This data was developed using ab198998, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Mouse cardiac muscle tissue labeling PRPF4 with ab198998 at 1/500 followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500. Counter stained with Hematoxylin. Nuclear staining on Mouse cardiac muscle tissuewas observed (Subcellular location - Nucleus speckle [UniProt]).
Negative control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-PRPF4 antibody [EPR17207] - BSA and Azide free (ab251263)

This data was developed using ab198998, the same antibody clone in a different buffer formulation.
Blocking and dilution buffer: 5% NFDM/TBST.

All lanes:
Western blot - Anti-PRPF4 antibody [EPR17207] - C-terminal (ab198998) at 1/20000 dilution

Lane 1:
Raji (Human Burkitt's lymphoma) whole cell lysate at 10 µg

Lane 2:
HepG2 (Human liver hepatocellular carcinoma) whole cell lysate at 10 µg

Lane 3:
293 (Human epithelial cells from embryonic kidney) whole cell lysate at 10 µg

Lane 4:
HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate at 10 µg

Secondary

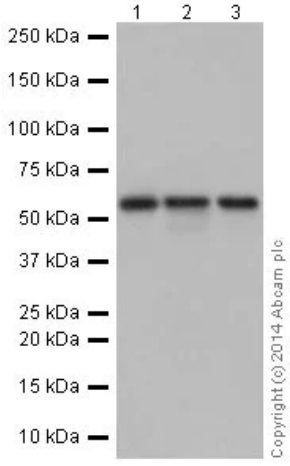
All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 58 kDa

Observed band size: 58 kDa

Exposure time: 3min



Western blot - Anti-PRPF4 antibody [EPR17207] - BSA and Azide free (ab251263)

PRPF4 Western blot staining using rabbit Anti-PRPF4 antibody

This data was developed using ab198998, the same antibody clone in a different buffer formulation.
Blocking and dilution buffer: 5% NFDM/TBST.

All lanes:
Western blot - Anti-PRPF4 antibody [EPR17207] - C-terminal (ab198998) at 1/1000 dilution

Lane 1:
Mouse brain tissue lysate at 10 µg

Lane 2:
Mouse kidney tissue lysate at 10 µg

Lane 3:

Mouse spleen tissue lysate at 10 µg

Secondary

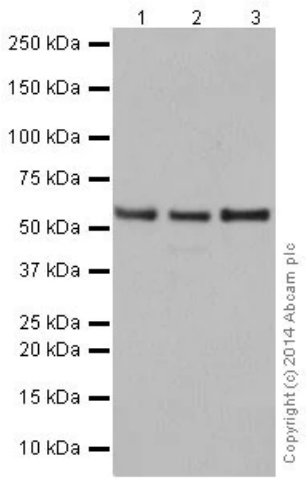
All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 58 kDa

Observed band size: 58 kDa

Exposure time: 3min



Western blot - Anti-PRPF4 antibody [EPR17207] - BSA and Azide free (ab251263)

PRPF4 Western blot staining using rabbit Anti-PRPF4 antibody

This data was developed using ab198998, the same antibody clone in a different buffer formulation.
Blocking and dilution buffer: 5% NFDM/TBST.

All lanes:
Western blot - Anti-PRPF4 antibody [EPR17207] - C-terminal (ab198998) at 1/1000 dilution

Lane 1:
C6 (Rat glial tumor) whole cell lysate at 10 µg

Lane 2:
Raw264.7 (Mouse macrophages transformed with Abelson murine leukemia virus) whole cell lysate at 10 µg

Lane 3:
NIH/3T3 (Mouse embryo fibroblast) whole cell lysate at 10 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 58 kDa

Observed band size: 58 kDa

Exposure time: 15s

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.