abcam

Product datasheet

Anti-PRPF4 antibody [EPR17207] - C-terminal ab198998

Recombinant RabMAb

9 Images

Overview

Product name	Anti-PRPF4 antibody [EPR17207] - C-terminal
Description	Rabbit monoclonal [EPR17207] to PRPF4 - C-terminal
Host species	Rabbit
Tested applications	**Suitable for:** Flow Cyt (Intra), IHC-P, WB
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Raji, HepG2, 293, C6, Raw264.7, NIH/3T3 and HeLa whole cell lysate, Mouse brain kidney and spleen tissue lysates. IHC: Human transitional cell carcinoma of bladder tissue, Human kidney tissue, Rat cerebral cortex tissue, and Mouse cardiac muscle tissue. ICC/I: MCF-7 and HeLa cells. Flow Cyt (intra): HeLa cells
General notes	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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR17207

Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab198998 in the following tested applications.

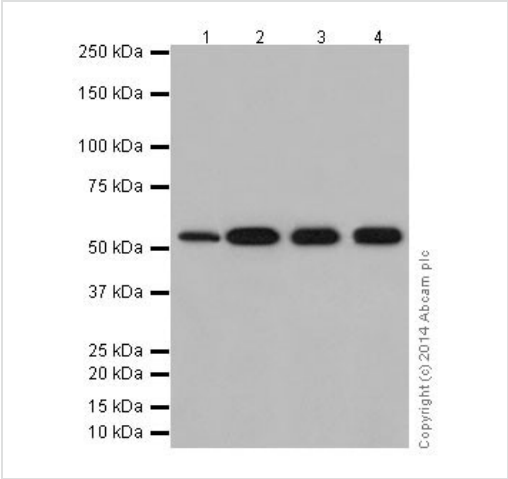
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		1/70.
IHC-P		1/250. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000. Detects a band of approximately 58 kDa (predicted molecular weight: 58 kDa).

Target

Function	Participates in pre-mRNA splicing. Part of the U4/U5/U6 tri-snRNP complex, one of the building blocks of the spliceosome.
Sequence similarities	Contains 7 WD repeats.
Cellular localization	Nucleus speckle. Colocalizes with spliceosomal snRNPs.

Images



Western blot - Anti-PRPF4 antibody [EPR17207] - C-terminal (ab198998)

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

Lane 1 : Raji (Human Burkitt's lymphoma) whole cell lysate
Lane 2 : HepG2 (Human liver hepatocellular carcinoma) whole cell lysate
Lane 3 : 293 (Human epithelial cells from embryonic kidney) whole cell lysate
Lane 4 : HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate

Lysates/proteins at 10 µg per lane.

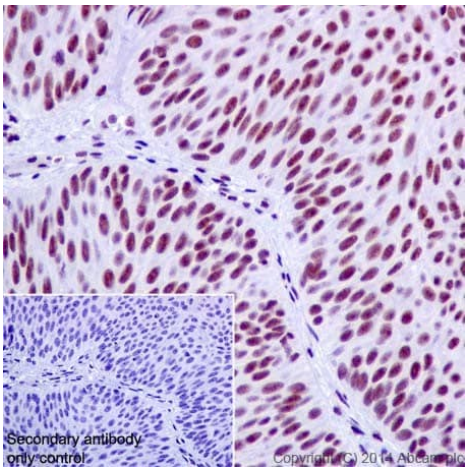
Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 58 kDa
Observed band size: 58 kDa

Exposure time: 3 minutes

Blocking and diluting buffer was 5% NFDM/TBST

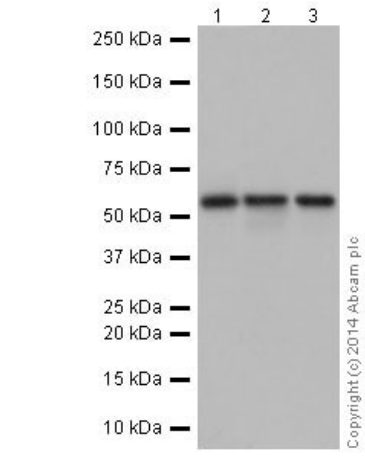


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRPF4 antibody [EPR17207] - C-terminal (ab198998)

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.



Western blot - Anti-PRPF4 antibody [EPR17207] - C-terminal (ab198998)

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

Lane 1 : Mouse brain tissue lysate
Lane 2 : Mouse kidney tissue lysate
Lane 3 : Mouse spleen tissue lysate

Lysates/proteins at 10 µg per lane.

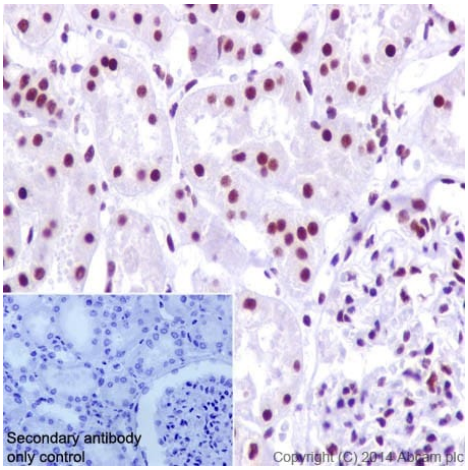
Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 58 kDa
Observed band size: 58 kDa

Exposure time: 3 minutes

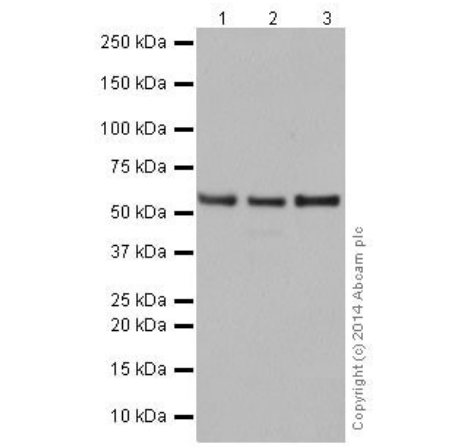
Blocking and diluting buffer was 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRPF4 antibody [EPR17207] - C-terminal (ab198998)

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.



Western blot - Anti-PRPF4 antibody [EPR17207] - C-terminal (ab198998)

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

Lane 1 : C6 (Rat glial tumor) whole cell lysate
Lane 2 : Raw264.7 (Mouse macrophages transformed with Abelson murine leukemia virus) whole cell lysate
Lane 3 : NIH/3T3 (Mouse embryo fibroblast) whole cell lysate

Lysates/proteins at 10 µg per lane.

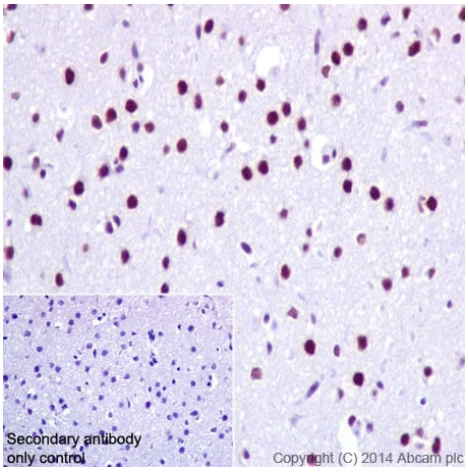
Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 58 kDa
Observed band size: 58 kDa

Exposure time: 15 seconds

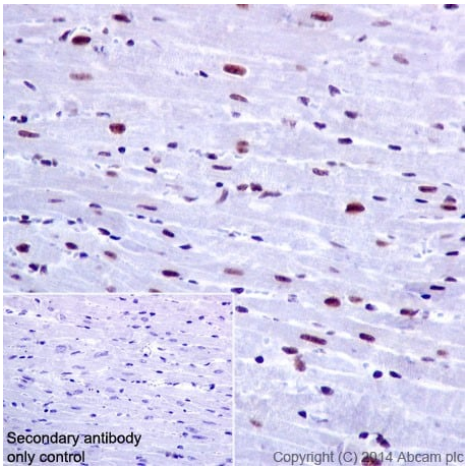
Blocking and diluting buffer was 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRPF4 antibody [EPR17207] - C-terminal (ab198998)

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.

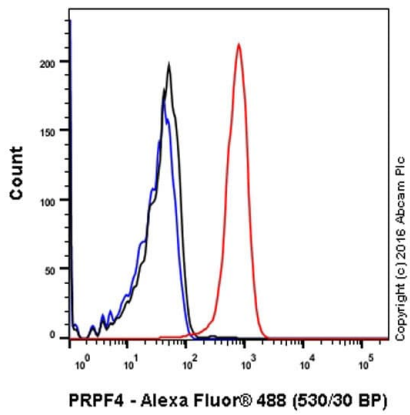
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRPF4 antibody [EPR17207] - C-terminal (ab198998)

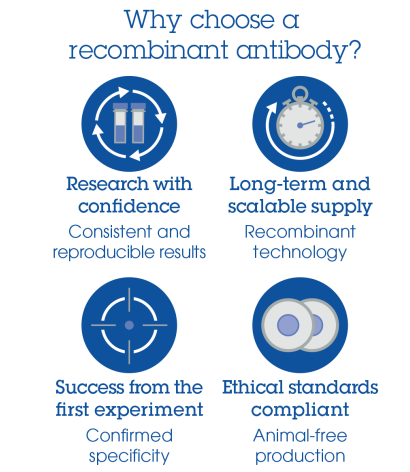
Immunohistochemical analysis of paraffin-embedded Mouse cardiac muscle tissue labeling PRPF4 with ab198998 at 1/500 followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500. Counter stained with Hematoxylin. Nuclear staining on Mouse cardiac muscle tissuewas observed (Subcellular location - 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.



Flow Cytometry (Intracellular) - Anti-PRPF4 antibody [EPR17207] - C-terminal (ab198998)

Intracellular Flow Cytometry analysis of HeLa cells labelling PRPF4 (red) with purified ab198998 at dilution of 1/70. The secondary antibody used was Alexa Fluorr® 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.



Anti-PRPF4 antibody [EPR17207] - C-terminal (ab198998)

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