abcam

ab185547

Anti-PRPF8/Prp8 antibody [EPR15229] - C-terminal

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR15229
Purification technique	Affinity purification Protein A
Concentration	1.033 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

WB

Tested

Species	Mouse
Dilution info	1/10000 - 1/50000
Notes	-

Species	Rat

Dilution info	1/10000 - 1/50000
Notes	-

Species	Human
Dilution info	1/10000 - 1/50000
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/100
Notes	**For unpurified use at 1/250**

Expected

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

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/100
Notes	**For unpurified use at 1/190.** ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Expected

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

IHC-P

Tested

Species	Human
Dilution info	1/2000
Notes	**For unpurified use at 1/2000**

Not recommended

Species	Mouse, Rat
Dilution info	-
Notes	-

Target data

See full target information PRPF8

Function Plays a role in pre-mRNA splicing as core component of precatalytic, catalytic and postcatalytic spliceosomal complexes, both of the predominant U2-type spliceosome and the minor U12-type spliceosome (PubMed:10411133, PubMed:11971955, PubMed:28076346, PubMed:28502770, PubMed:28781166, PubMed:29301961, PubMed:29360106, PubMed:29361316, PubMed:30315277, PubMed:30705154, PubMed:30728453). Functions as a scaffold that mediates the ordered assembly of spliceosomal proteins and snRNAs. Required for the assembly of the U4/U6-U5 tri-snRNP complex, a building block of the spliceosome. Functions as a scaffold that positions spliceosomal U2, U5 and U6 snRNAs at splice sites on pre-mRNA substrates, so that splicing can occur. Interacts with both the 5' and the 3' splice site.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C

Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

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.

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

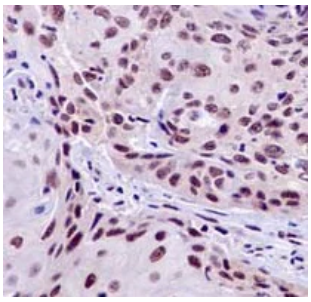
We do not recommend this combination. It is not covered by our product promise.

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.

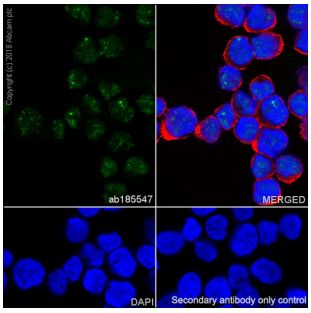
8 product images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRPF8/Prp8 antibody [EPR15229] - C-terminal (ab185547)

PRPF8/Prp8 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-PRPF8/Prp8 antibody

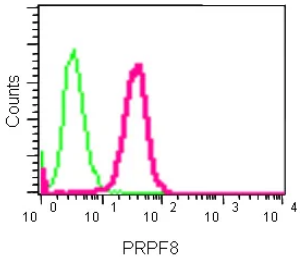
Immunohistochemical analysis of paraffin embedded Human cervix carcinoma tissue sections labeling PRPF8/Prp8 using unpurifed ab185547 at a 1/250 dilution. A ready to use HRP Polymer for Rabbit IgG was used as the secondary. Hematoxylin counterstain.



Immunocytochemistry/ Immunofluorescence - Anti-PRPF8/Prp8 antibody [EPR15229] - C-terminal (ab185547)

PRPF8/Prp8 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-PRPF8/Prp8 antibody

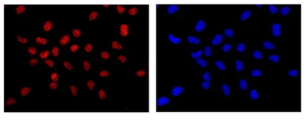
Immunocytochemistry/ Immunofluorescence analysis of K-562 (human chronic myelogenous leukemia lymphoblast) cells labeling PRPF8/Prp8 with Purified ab185547 at 1:100 dilution (10 µg/ml). Cells were fixed in 100% Methanol. Cells were counterstained with ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule 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.



Flow Cytometry (Intracellular) - Anti-PRPF8/Prp8 antibody [EPR15229] - C-terminal (ab185547)

PRPF8/Prp8 Flow Cytometry (Intracellular) staining using rabbit Anti-PRPF8/Prp8 antibody

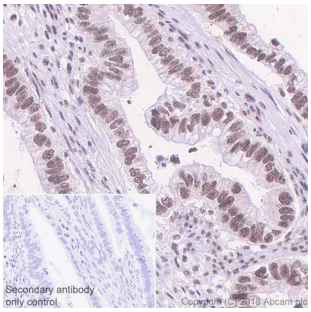
Intracellular Flow Cytometry analysis of K562 cells labeling PRPF8/Prp8 using unpurified ab185547 at a 1/190 dilution (pink). Goat anti rabbit IgG (FITC) used as the secondary at a 1/150 dilution. Isotype control Rabbit monoclonal IgG (green). Cells were fixed in 2% paraformaldehyde.



Immunocytochemistry/ Immunofluorescence - Anti-PRPF8/Prp8 antibody [EPR15229] - C-terminal (ab185547)

PRPF8/Prp8 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-PRPF8/Prp8 antibody

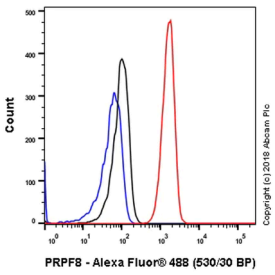
Immunofluorescent analysis of formaldehyde fixed HeLa cells labeling PRPF8/Prp8 using unpurified ab185547 at a 1/250 dilution. A Goat anti rabbit IgG (Alexa Fluor®555) was used as the secondary at a 1/200 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRPF8/Prp8 antibody [EPR15229] - C-terminal (ab185547)

PRPF8/Prp8 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-PRPF8/Prp8 antibody

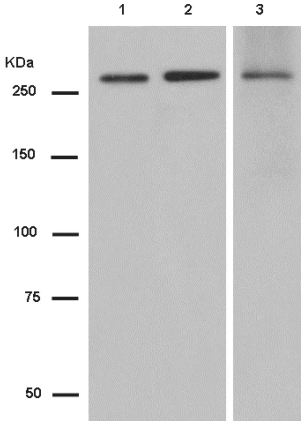
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human gastric cancer tissue sections labeling PRPF8/Prp8 with Purified ab185547 at 1:2000 dilution (0.52 µg/ml). Heat mediated antigen retrieval was performed using ab93684 (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one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



Flow Cytometry (Intracellular) - Anti-PRPF8/Prp8 antibody [EPR15229] - C-terminal (ab185547)

PRPF8/Prp8 Flow Cytometry (Intracellular) staining using rabbit Anti-PRPF8/Prp8 antibody

Intracellular Flow Cytometry analysis of K-562 (human chronic myelogenous leukemia lymphoblast) cells labeling PRPF8/Prp8 with Purified ab185547 at 1/100 dilution (10µg/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).



Western blot - Anti-PRPF8/Prp8 antibody [EPR15229] - C-terminal (ab185547)

Blocking/ Dilution buffer: 5% NFDM /TBST.
All lanes:
Western blot - Anti-PRPF8/Prp8 antibody [EPR15229] - C-terminal (ab185547) at 1/20000 dilution

Lane 1:
K562 cell lysate at 20 µg

Lane 2:
293T cell lysate at 20 µg

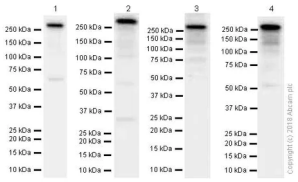
Lane 3:
HeLa cell lysate at 20 µg

Secondary

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

Predicted band size: 274 kDa

Observed band size: 274 kDa



Western blot - Anti-PRPF8/Prp8 antibody [EPR15229] - C-terminal (ab185547)

PRPF8/Prp8 Western blot staining using rabbit Anti-PRPF8/Prp8 antibody

Blocking and diluting buffer: 5% NFDM/TBST
All lanes:
Anti-Ikaros antibody [SP108] (ab188547) at 0.01 µg/mL

Lane 1:
C6 (Rat glial tumor glial cell) whole cell lysates at 15 µg

Lane 2:
NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate at 15 µg

Lane 3:
293T (human embryonic kidney epithelial cell) whole cell lysates at 15 µg

Lane 4:
HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates at 15 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 274 kDa

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