

Product datasheet

Anti-PARN antibody [EPR11670(2)] ab188333

Recombinant RabMAb

[7 References](#) [9 Images](#)

Overview

Product name	Anti-PARN antibody [EPR11670(2)]
Description	Rabbit monoclonal [EPR11670(2)] to PARN
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), IP, ICC/IF, WB, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: K562, Hela, MDA-MB435, PC-12, NIH-3T3 cell lysates; IHC-P: Human papillary adenocarcinoma of thyroid, Mouse liver; ICC/IF: Hela cells; Flow Cyt (intra): Hela cells; IP: K562 cell lysate.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR11670(2)

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab188333 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. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IP		1/50.
ICC/IF		1/100.
WB		1/1000 - 1/10000. Detects a band of approximately 78 kDa (predicted molecular weight: 73 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

Function

3'-exoribonuclease that has a preference for poly(A) tails of mRNAs, thereby efficiently degrading poly(A) tails. Exonucleolytic degradation of the poly(A) tail is often the first step in the decay of eukaryotic mRNAs and is also used to silence certain maternal mRNAs translationally during oocyte maturation and early embryonic development. Interacts with both the 3'-end poly(A) tail and the 5'-end cap structure during degradation, the interaction with the cap structure being required for an efficient degradation of poly(A) tails. Involved in nonsense-mediated mRNA decay, a critical process of selective degradation of mRNAs that contain premature stop codons. Also involved in degradation of inherently unstable mRNAs that contain AU-rich elements (AREs) in their 3'-UTR, possibly via its interaction with KHSRP. Probably mediates the removal of poly(A) tails of AREs mRNAs, which constitutes the first step of destabilization.

Tissue specificity

Ubiquitous.

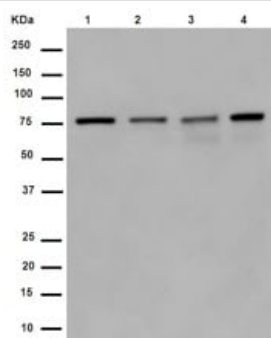
Sequence similarities

Belongs to the CAF1 family.
Contains 1 R3H domain.

Cellular localization

Nucleus. Cytoplasm. Nucleus > nucleolus. Some nuclear fraction is nucleolar.

Images



Western blot - Anti-PARN antibody [EPR11670(2)] (ab188333)

All lanes : Anti-PARN antibody [EPR11670(2)] (ab188333) at 1/10000 dilution

Lane 1 : K562 cell lysate

Lane 2 : Hela cell lysate

Lane 3 : HepG2 cell lysate

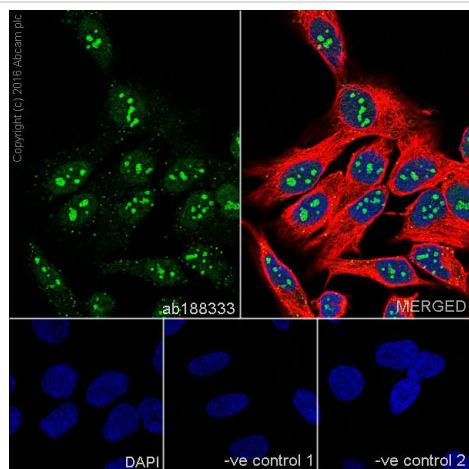
Lane 4 : MDA-MB-435 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

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

Predicted band size: 73 kDa

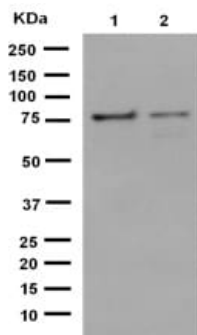


Immunocytochemistry/ Immunofluorescence - Anti-PARN antibody [EPR11670(2)] (ab188333)

Immunofluorescent analysis of HeLa cells labelling PARN with ab188333 at 1/500. Cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. **ab150077**, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody. The cells were co-stained with **ab7291**, a mouse anti-tubulin (1/1000) using **ab150120**, an Alexa Fluor® 594-conjugated goat anti-mouse IgG (1/1000) as the secondary antibody. Nuclei counterstained with DAPI (blue).

Control 1: primary antibody (1/100) and secondary antibody, **ab150120**, an Alexa Fluor® 594-conjugated goat anti-mouse IgG (1/500).

Control 2: **ab7291** (1/1000) and secondary antibody, **ab150077**, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/500).



Western blot - Anti-PARN antibody [EPR11670(2)] (ab188333)

All lanes : Anti-PARN antibody [EPR11670(2)] (ab188333) at 1/1000 dilution

Lane 1 : PC-12 cell lysate

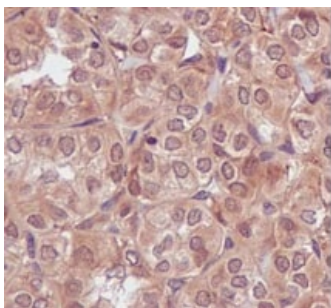
Lane 2 : NIH-3T3 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

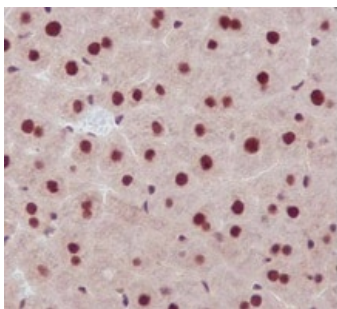
Predicted band size: 73 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PARN antibody [EPR11670(2)] (ab188333)

Immunohistochemical analysis of formalin fixed paraffin embedded Human papillary adenocarcinoma of thyroid labeling PARN with ab188333 at 1/100 dilution and HRP polymer for Rabbit IgG. Counterstained with Haematoxylin.

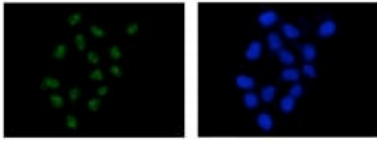
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PARN antibody [EPR11670(2)] (ab188333)

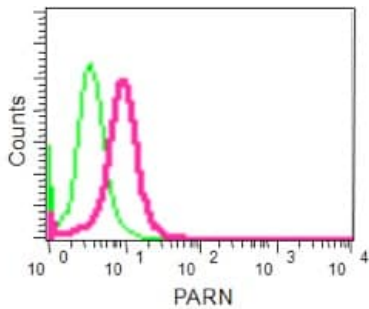
Immunohistochemical analysis of formalin fixed paraffin embedded mouse liver labeling PARN with ab188333 at 1/100 dilution and HRP polymer for Rabbit IgG. Counterstained with Haematoxylin.

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



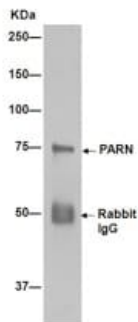
Immunocytochemistry/ Immunofluorescence - Anti-PARN antibody [EPR11670(2)] (ab188333)

Immunohistochemical analysis of HeLa cells fixed in 4% paraformaldehyde labeling PARN with ab188333 at 1/100 and Goat anti rabbit IgG (Alexa Fluor® 488) at 1/200 dilution. Counterstained with DAPI (blue).



Flow Cytometry (Intracellular) - Anti-PARN antibody [EPR11670(2)] (ab188333)




Intracellular flow cytometric analysis of HeLa cells fixed in 2% paraformaldehyde labeling PARN with ab188333 at 1/70 dilution and Goat anti rabbit IgG (FITC) at 1/150 dilution. Rabbit monoclonal IgG was used as an isotype control.



Immunoprecipitation - Anti-PARN antibody [EPR11670(2)] (ab188333)

Immunoprecipitation of K562 cell lysate labeling PARN with ab188333 at 1/50 dilution and Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution.

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>

Anti-PARN antibody [EPR11670(2)] (ab188333)

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