abcam

Product datasheet

Anti-U1-C antibody [EPR16034] ab192028

Recombinant   RabMAb

2 References   8 Images

Overview

Product name	Anti-U1-C antibody [EPR16034]
Description	Rabbit monoclonal [EPR16034] to U1-C
Host species	Rabbit
Tested applications	**Suitable for:** ICC/IF, IP, 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	K562, Jurkat, HeLa, C6, Raw 264.7, PC-12 and NIH/3T3 cell lysates: Human tonsil tissue, Human squamous cell carcinoma of cervix tissue and Rat liver tissue; K562 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	EPR16034
Isotype	IgG

Applications

The Abpromise guarantee   Our **Abpromise guarantee** covers the use of ab192028 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
ICC/IF		1/500.
IP		1/40.
WB		1/1000 - 1/10000. Predicted molecular weight: 17 kDa.
IHC-P		1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

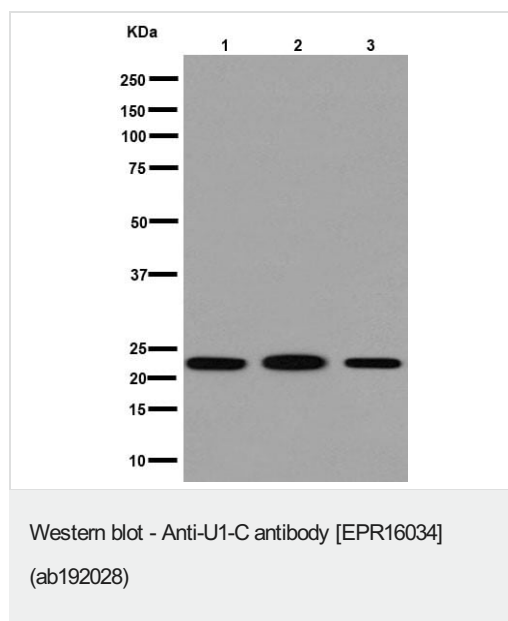**Function**   This protein is associated with snRNP U1.

Sequence similarities   Belongs to the U1 small nuclear ribonucleoprotein C family.
Contains 1 matrin-type zinc finger.

Cellular localization   Nucleus.

Images

Western blot - Anti-U1-C antibody [EPR16034] (ab192028)

All lanes : Anti-U1-C antibody [EPR16034] (ab192028) at 1/5000 dilution

Lane 1 : Jurkat cell lysate
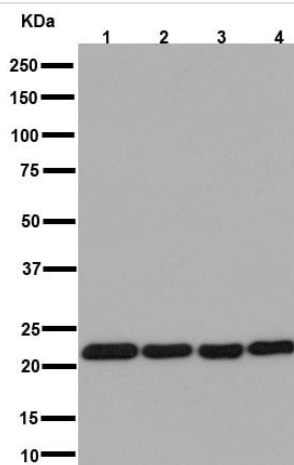**Lane 2 :** K562 cell lysate
Lane 3 : HeLa cell lysate

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: 17 kDa

Blocking/dilution buffer: 5% NFDM/TBST.

Western blot - Anti-U1-C antibody [EPR16034] (ab192028)

All lanes : Anti-U1-C antibody [EPR16034] (ab192028) at 1/10000 dilution

Lane 1 : C6 cell lysate

Lane 2 : Raw 264.7 cell lysate

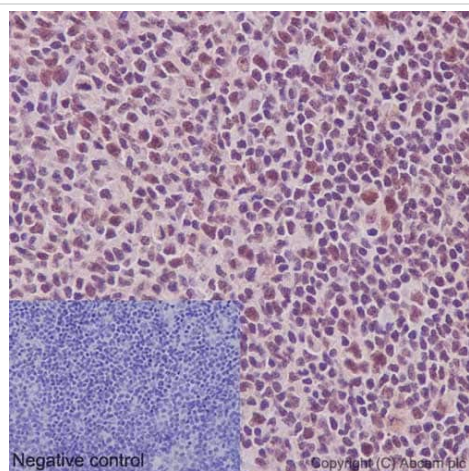**Lane 3 :** PC-12 cell lysate

Lane 4 : 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

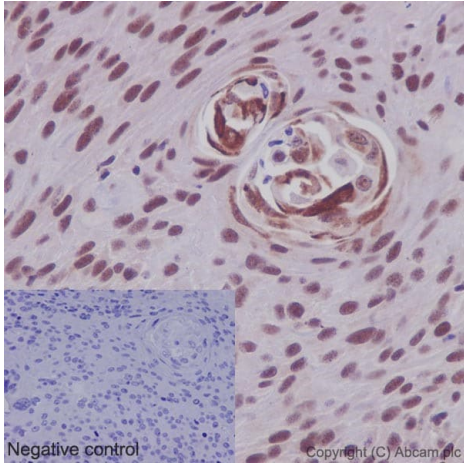**Predicted band size:** 17 kDa

Blocking/dilution buffer: 5% NFDM/TBST.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-U1-C antibody [EPR16034] (ab192028)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labeling U1-C with ab192028 at 1/1000 dilution, followed by prediluted HRP Polymer for Rabbit/Mouse IgG. Counter stained with Hematoxylin. The negative control utilised PBS instead of primary antibody.

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

Immunohistochemical analysis of paraffin-embedded Human squamous cell carcinoma of cervix tissue labeling U1-C with ab192028 at 1/1000 dilution, followed by prediluted HRP Polymer for Rabbit/Mouse IgG. Counter stained with Hematoxylin. The negative control utilised PBS instead of primary antibody.
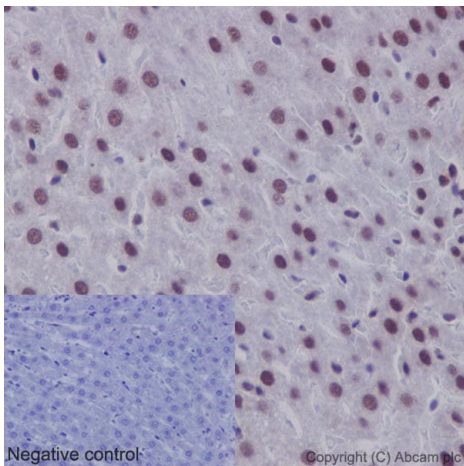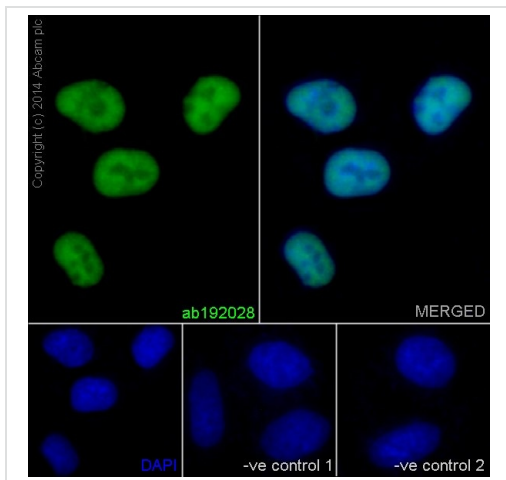
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-U1-C antibody [EPR16034] (ab192028)

Immunohistochemical analysis of paraffin-embedded Rat liver tissue labeling U1-C with ab192028 at 1/1000 dilution, followed by prediluted HRP Polymer for Rabbit/Mouse IgG. Counter stained with Hematoxylin. The negative control utilised PBS instead of primary antibody.
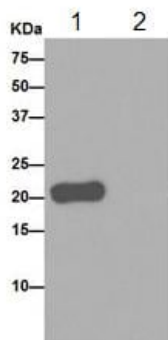
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-U1-C antibody [EPR16034] (ab192028)

Immunocytochemistry/ Immunofluorescence - Anti-U1-C antibody [EPR16034] (ab192028)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilised HeLa cells labeling U1-C with ab192028 at 1/500 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) at 1/200 dilution (green). The nuclear counter stain is Dapi (blue).

The two negative controls are ab192028 at 1/500 dilution followed by Goat anti mouse IgG (Alexa Fluor®594) at 1/500 dilution.

Immunoprecipitation - Anti-U1-C antibody [EPR16034] (ab192028)

Western blot analysis of U1-C in K562 lysate immunoprecipitated using ab192028 at 1/40 dilution (Lane 1). Lane 2: PBS instead of K562 lysate.

Secondary antibody: Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 dilution.

Blocking/dilution buffer: 5% NFDM/TBST.

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-U1-C antibody [EPR16034] (ab192028)

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

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