

Product datasheet

Anti-CRNKL1 antibody [EPR16064] ab192248

Recombinant RabMAb

5 Images

Overview

Product name	Anti-CRNKL1 antibody [EPR16064]
Description	Rabbit monoclonal [EPR16064] to CRNKL1
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human CRNKL1 aa 750 to the C-terminus. The exact sequence is proprietary. Database link: Q9BZJ0
Positive control	Human seminoma lysate; Human testis tissue; Rat kidney tissue; 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](#).

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise[™] guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work

with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

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, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR16064
Isotype	IgG

Applications

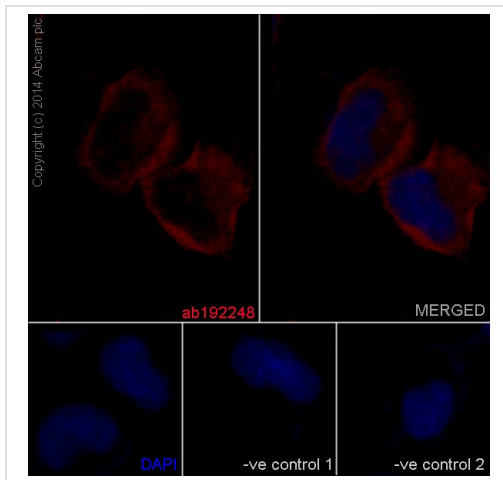
Our [Abpromise guarantee](#) covers the use of **ab192248** in the following tested applications.

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

Application	Abreviews	Notes
ICC/IF		1/50.
WB		1/10000 - 1/50000. Detects a band of approximately 100 kDa (predicted molecular weight: 100 kDa).
IHC-P		1/300 - 1/600. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

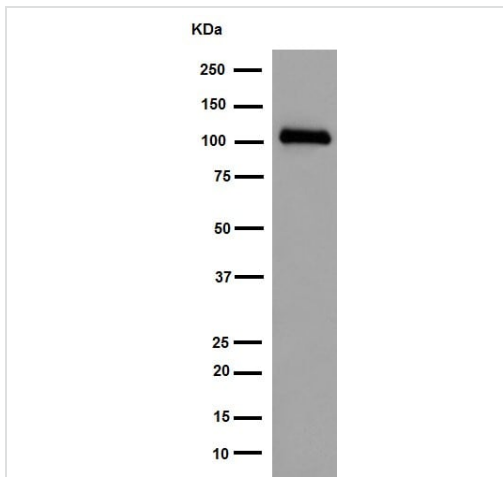
Function	Involved in pre-mRNA splicing process.
Tissue specificity	Widely expressed. Highly expressed in testis. Not expressed in brain and lung.
Sequence similarities	Belongs to the crooked-neck family. Contains 17 HAT repeats.
Cellular localization	Nucleus speckle. Cytoplasm. Colocalizes with core spliceosomal snRNP proteins. Also diffusely expressed in cytoplasm.



Immunocytochemistry/ Immunofluorescence - Anti-CRNKL1 antibody [EPR16064] (ab192248)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% tritonX-100 permeabilized HeLa cells labeling CRNKL1 with ab192248 at 1/50 dilution, followed by Goat anti rabbit IgG (Alexa Fluor® 555) secondary antibody (ab150078) at 1/500 dilution. Nuclear counter stain Dapi (blue).

The two negative controls are ab192248 at 1/50 dilution followed by (Goat anti mouse IgG (Alexa Fluor®488) secondary antibody at 1/200 dilution.



Western blot - Anti-CRNKL1 antibody [EPR16064] (ab192248)

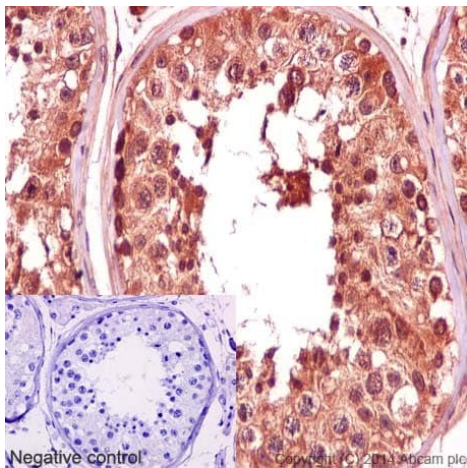
Anti-CRNKL1 antibody [EPR16064] (ab192248) at 1/20000 dilution + Human seminoma lysate at 20 µg

Secondary

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

Predicted band size: 100 kDa

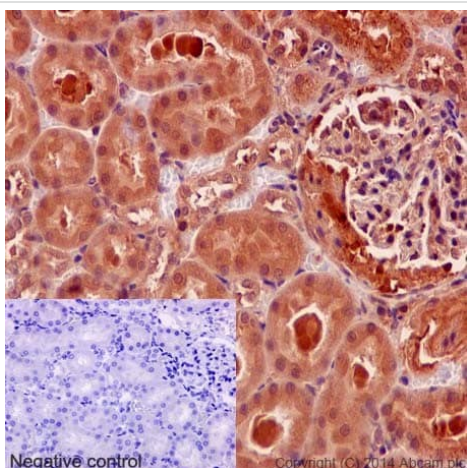
Blocking/Dilution buffer: 5% NFDm /TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CRNKL1 antibody [EPR16064] (ab192248)

Immunohistochemical analysis of paraffin-embedded Human testis tissue labeling CRNK1 with ab192248 at 1/600 dilution (1µg/ml), followed by prediluted HRP Polymer for Rabbit/Mouse IgG. Counter stained with Hematoxylin.

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-CRNKL1 antibody [EPR16064] (ab192248)


Immunohistochemical analysis of paraffin-embedded Rat kidney tissue labeling CRNK1 with ab192248 at 1/600 dilution (1µg/ml), followed by prediluted HRP Polymer for Rabbit/Mouse IgG. Counter stained with Hematoxylin.


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

Why choose a recombinant antibody?

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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-CRNKL1 antibody [EPR16064] (ab192248)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors