




Product datasheet

Anti-NUDT21/CFIM25 antibody ab221994

2 Images

Overview

<b>Product name</b>	Anti-NUDT21/CFIM25 antibody
<b>Description</b>	Rabbit polyclonal to NUDT21/CFIM25
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Cow, Xenopus laevis, Zebrafish, Orangutan 
<b>Immunogen</b>	Recombinant fragment corresponding to Human NUDT21/CFIM25 aa 21-114. Sequence: GNKYIQQTKPLTLERTINLYPLTNYTFGTKEPLYEKDSSVAA RFQRMREE FDKIGMRRTVEGVLVHEHRLPHVLLLQLGTTFFKLPGGEL NPG  Database link: <a href="#">O43809</a>   <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	WB: RT4 and U-251 MG cell lysates. ICC/IF: PC-3 cells.
<b>General notes</b>	This product was previously labelled as NUDT21

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

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab221994** 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
WB		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 26 kDa.
ICC/IF		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.

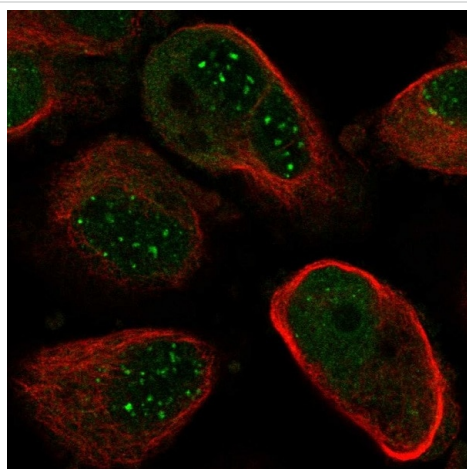
## Target

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<b>Function</b>	Component of the cleavage factor Im (CFIm) complex that plays a key role in pre-mRNA 3'-processing. Involved in association with CPSF6 or CPSF7 in pre-mRNA 3'-end poly(A) site cleavage and poly(A) addition. NUDT21/CPSF5 binds to cleavage and polyadenylation RNA substrates. The homodimer mediates simultaneous sequence-specific recognition of two 5'-UGUA-3' elements within the pre-mRNA. Binds to, but does not hydrolyze mono- and di-adenosine nucleotides. May have a role in mRNA export.
<b>Sequence similarities</b>	Belongs to the Nudix hydrolase family. CPSF5 subfamily. Contains 1 nudix hydrolase domain.
<b>Post-translational modifications</b>	Acetylated mainly by p300/CBP, recruited to the complex by CPSF6. Acetylation decreases interaction with PAPA0. Deacetylated by the class VIII HDACs, HDAC1, HDAC3 and HDAC10, and by the class III HDACs, SIRT1 AND SIRT2.
<b>Cellular localization</b>	Nucleus. In punctate subnuclear structures localized adjacent to nuclear speckles, called paraspeckles.

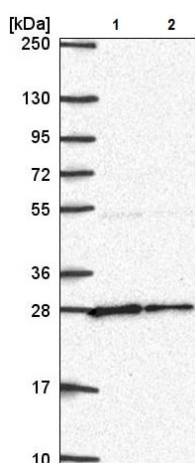
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## Images



Immunocytochemistry/ Immunofluorescence - Anti-NUDT21/CFIM25 antibody (ab221994)

PFA-fixed, Triton X-100 permeabilized PC-3 (human prostate adenocarcinoma cell line) cells stained for NUDT21/CFIM25 (green) using ab221994 at 4 µg/ml in ICC/IF.



Western blot - Anti-NUDT21/CFIM25 antibody (ab221994)

**All lanes :** Anti-NUDT21/CFIM25 antibody (ab221994) at 1/100 dilution

**Lane 1 :** RT4 (human urinary bladder cancer cell line) cell lysate

**Lane 2 :** U-251 MG (human brain glioma cell line) cell lysate

**Predicted band size:** 26 kDa

**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
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- 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.

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