

## Product datasheet

### Anti-DDX21 antibody ab264137

2 Images

#### Overview

<b>Product name</b>	Anti-DDX21 antibody
<b>Description</b>	Rabbit polyclonal to DDX21
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IP, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide within Human DDX21 aa 50-100. The exact sequence is proprietary. Database link: <a href="#">Q9NR30</a>
<b>Positive control</b>	WB: HeLa whole cell lysate. IP: HeLa whole cell lysate.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<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. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: Tris buffered saline, 0.1% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab264137 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
IP		Use at 1-4 µg/mg of lysate.
WB		1/2000 - 1/10000.

## Target

### Function

Can unwind double-stranded RNA (helicase) and can fold or introduce a secondary structure to a single-stranded RNA (foldase). Functions as cofactor for JUN-activated transcription. Involved in rRNA processing.

### Sequence similarities

Belongs to the DEAD box helicase family. DDX21/DDX50 subfamily.  
Contains 1 helicase ATP-binding domain.  
Contains 1 helicase C-terminal domain.

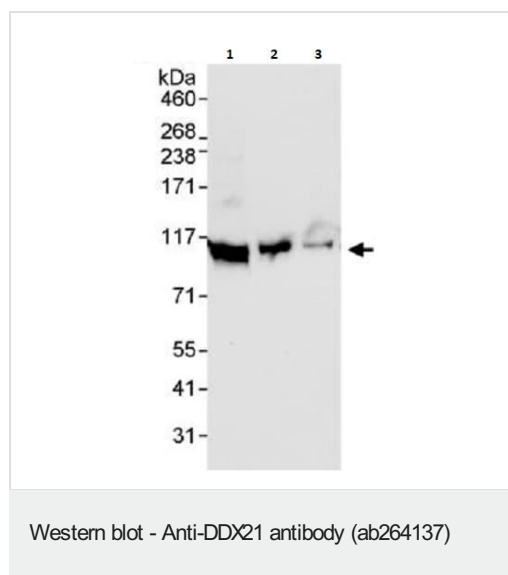
### Domain

The two enzymatic activities reside in two separate domains, the helicase in the N-terminus and the foldase in the C-terminus.  
The 3 X 5 AA repeats seem to be critical for the RNA folding activity.

### Cellular localization

Nucleus > nucleolus.

## Images



**All lanes :** Anti-DDX21 antibody (ab264137) at 0.04 µg/ml

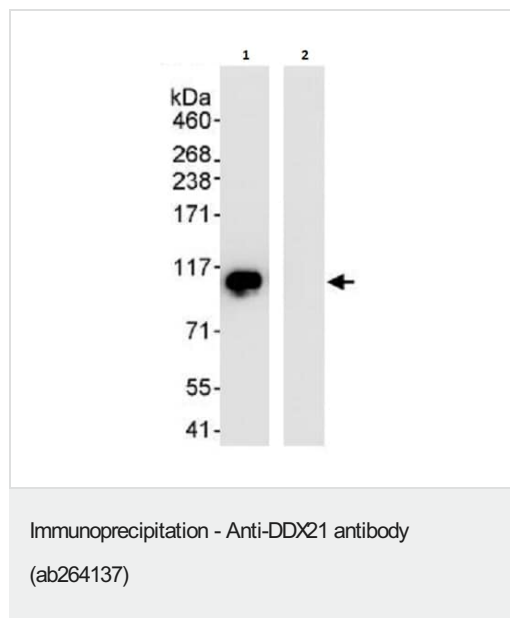
**Lane 1 :** HeLa whole cell lysate at 50 µg

**Lane 2 :** HeLa whole cell lysate at 15 µg

**Lane 3 :** HeLa whole cell lysate at 5 µg

**Exposure time:** 10 seconds

4-8% SDS-PAGE



DDX21 was immunoprecipitated from 1mg of HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate with ab264137 at 3 µg/mg lysate. Western blot was performed from the immunoprecipitate using ab264137 at 1 µg/ml.

**Lane 1:** ab264137 IP in HeLa whole cell lysate.

**Lane 2:** Control IgG.

Exposure time: 3 secs.

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

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- 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.

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