


## Product datasheet

### Anti-DDX5 antibody [EPR7240] ab128928

**KO VALIDATED** Recombinant RabMAB

[2 References](#) [6 Images](#)

#### Overview

<b>Product name</b>	Anti-DDX5 antibody [EPR7240]
<b>Description</b>	Rabbit monoclonal [EPR7240] to DDX5
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF <b>Unsuitable for:</b> Flow Cyt or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat 
<b>Immunogen</b>	Synthetic peptide within Human DDX5 aa 550-650. The exact sequence is proprietary.
<b>Positive control</b>	HT29 and SHSY5Y cell lysates; Human breast carcinoma and colon tissues; SHSY5Y cells.
<b>General notes</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAB <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAB<sup>®</sup> patents</a> .

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR7240

Isotype

IgG

## Applications

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### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab128928 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		1/1000 - 1/10000. Detects a band of approximately 70 kDa (predicted molecular weight: 69 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/250.

### Application notes

Is unsuitable for Flow Cyt or IP.

## Target

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### Function

RNA-dependent ATPase activity. The rate of ATP hydrolysis is highly stimulated by single-stranded RNA. May be involved in pre-mRNA splicing.

### Sequence similarities

Belongs to the DEAD box helicase family. DDX5/DBP2 subfamily.  
Contains 1 helicase ATP-binding domain.  
Contains 1 helicase C-terminal domain.

### Post-translational modifications

Arg-502 is dimethylated, probably to asymmetric dimethylarginine.

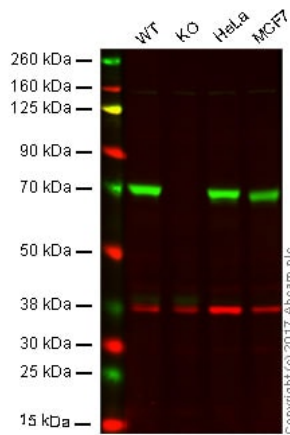
### Cellular localization

Nucleus > nucleolus.

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## Images

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Western blot - Anti-DDX5 antibody [EPR7240] (ab128928)

**Lane 1:** Wild-type HAP1 whole cell lysate (20 µg)

**Lane 2:** DDX5 knockout HAP1 whole cell lysate (20 µg)

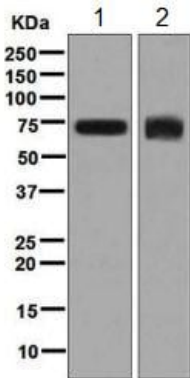
**Lane 3:** HeLa whole cell lysate (20 µg)

**Lane 4:** MCF7 whole cell lysate (20 µg)

**Lanes 1 - 4:** Merged signal (red and green). Green - ab128928 observed at 69 kDa. Red - loading control, **ab9484**, observed at 37 kDa.

ab128928 was shown to specifically react with DDX5 in wild-type cells as signal was lost in DDX5 knockout cells. Wild-type and DDX5 knockout samples were subjected to SDS-PAGE.

Ab128928 and **ab9484** (Mouse anti-GAPDH loading control) were incubated overnight at 4°C at 1/1000 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed **ab216776** secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-DDX5 antibody [EPR7240] (ab128928)

**All lanes :** Anti-DDX5 antibody [EPR7240] (ab128928) at 1/1000 dilution

**Lane 1 :** HT-29 cell lysate

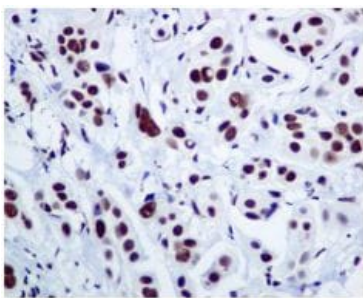
**Lane 2 :** SH-SY5Y cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat anti-rabbit HRP conjugated at 1/2000 dilution

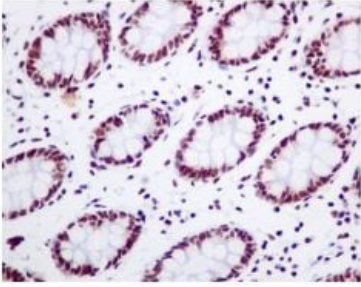
**Predicted band size:** 69 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDX5 antibody [EPR7240] (ab128928)

ab128928 at 1/100 dilution staining DDX5 in paraffin-embedded Human breast carcinoma tissue by immunohistochemistry.

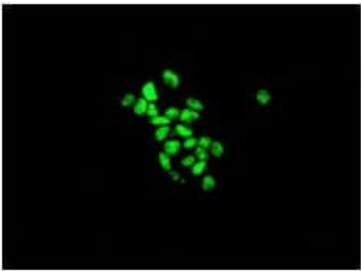
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDX5 antibody [EPR7240] (ab128928)

ab128928 at 1/100 dilution staining DDX5 in paraffin-embedded Human colon tissue by immunohistochemistry.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-DDX5 antibody [EPR7240] (ab128928)

ab128928 at 1/100 dilution staining DDX5 in SHSY5Y cells by immunofluorescence.

### Why choose a recombinant antibody?

 <b>Research with confidence</b> Consistent and reproducible results	 <b>Long-term and scalable supply</b> Recombinant technology
 <b>Success from the first experiment</b> Confirmed specificity	 <b>Ethical standards compliant</b> Animal-free production

Anti-DDX5 antibody [EPR7240] (ab128928)

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

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