

### Anti-DDX5 antibody [EPR7239] ab126730

敲除验证
重组
RabMAb

★★★★★
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#### 概述

产品名称	Anti-DDX5抗体[EPR7239]
描述	兔单克隆抗体[EPR7239] to DDX5
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, IP, IHC-P, ICC/IF
种属反应性	与反应: Mouse, Human 预测可用于: Rat 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	HeLa, SH-SY5Y, A431, and HT29 cell lysates; Human bladder carcinoma and Human kidney tissues; HeLa cells. IP: Mouse brain lysate.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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> <p>For more information <a href="#">see here</a>.</p> <p>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>.</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR7239

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab126730于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB		1/10000 - 1/50000. Detects a band of approximately 70 kDa (predicted molecular weight: 69 kDa).
IP		1/10 - 1/100.
IHC-P	★★★★★ (2)	1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/250.

靶标

功能

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

序列相似性

Belongs to the DEAD box helicase family. DDX5/DBP2 subfamily.

Contains 1 helicase ATP-binding domain.

Contains 1 helicase C-terminal domain.

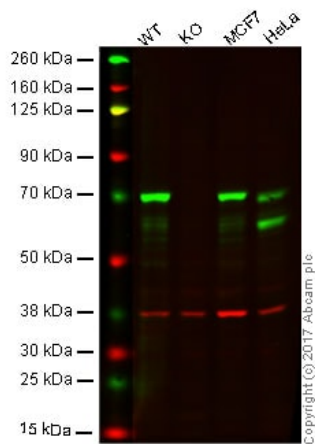
翻译后修饰

Arg-502 is dimethylated, probably to asymmetric dimethylarginine.

细胞定位

Nucleus > nucleolus.

图片



Western blot - Anti-DDX5 antibody [EPR7239]  
(ab126730)

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

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

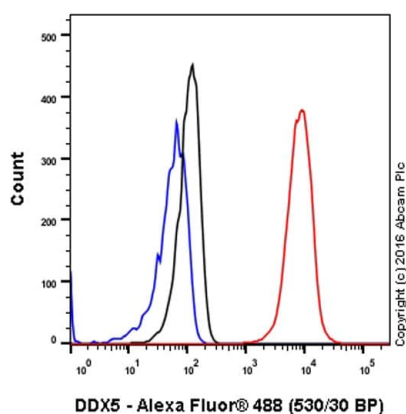
**Lane 3:** MCF7 whole cell lysate (20 µg)

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

**Lanes 1 - 4:** Merged signal (red and green). Green - ab126730 observed at 69 kDa. Red - loading control, **ab9484**, observed at 37 kDa.

ab126730 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.

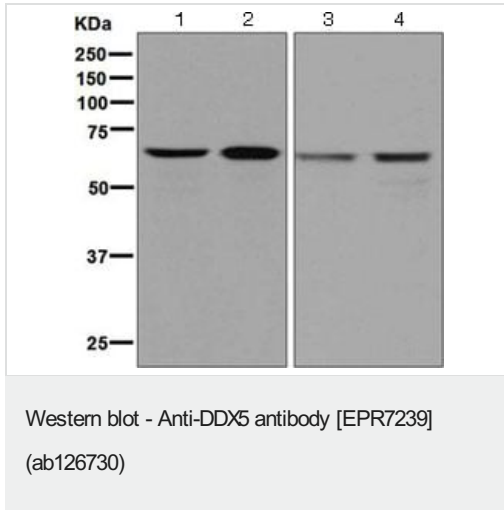
Ab126730 and **ab9484** (Mouse anti-GAPDH loading control) were incubated overnight at 4°C at 1/10000 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed **ab216776** secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



Flow Cytometry (Intracellular) - Anti-DDX5 antibody  
[EPR7239] (ab126730)

ab126730 staining DDX5 in the human cell line HeLa (Human cervix adenocarcinoma epithelial cell) by intracellular flow cytometry. Cells were fixed with 4% paraformaldehyde, permeabilised with 90% methanol and the sample was incubated with the primary antibody at a dilution of 1/200. A goat anti rabbit IgG (Alexa Fluor® 488) at a dilution of 1/2000 was used as the secondary antibody.

Isotype control: Rabbit monoclonal IgG (Black) Unlabelled control: Cell without incubation with primary antibody and secondary antibody (Blue).



**All lanes :** Anti-DDX5 antibody [EPR7239] (ab126730) at 1/10000 dilution

**Lane 1 :** HeLa cell lysate

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

**Lane 3 :** A431 cell lysate

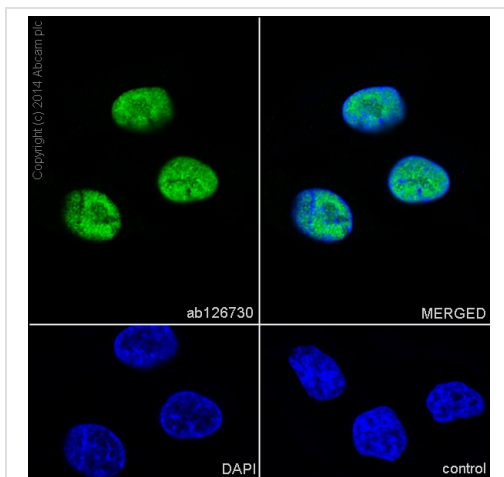
**Lane 4 :** HT29 cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

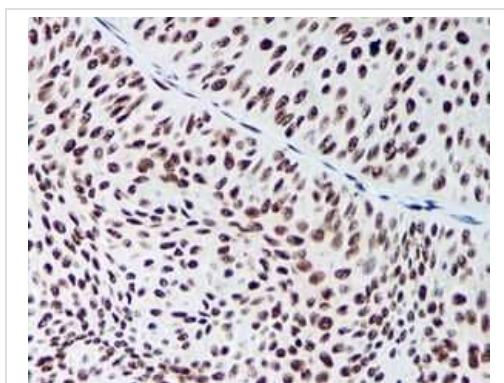
**All lanes :** HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 69 kDa



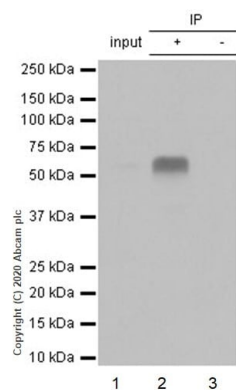
Immunocytochemistry/Immunofluorescence analysis of SH-SY5Y (human neuroblastoma) cells labelling DDX5 (green) with purified ab126730 at 1/250. Cells were fixed with 4% Paraformaldehyde and permeabilized with 0.1% Triton X-100. **ab150077**, Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody. DAPI (blue) was used as a nuclear counterstain.

Secondary Only Control: PBS was used instead of the primary antibody as the negative control.



ab126730, at a dilution of 1/250, staining DDX5 in paraffin-embedded Human bladder carcinoma tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-DDX5 antibody  
[EPR7239] (ab126730)

Purified ab126730 at 1/20 dilution (1µg) immunoprecipitating DDX5 in Mouse brain lysate.

Lane 1 (input): Mouse brain lysate 10µg

Lane 2 (+): ab126730 + Mouse brain lysate.

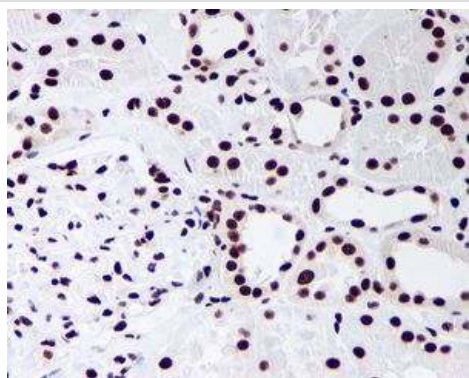
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab126730 in Mouse brain lysate.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/20,000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

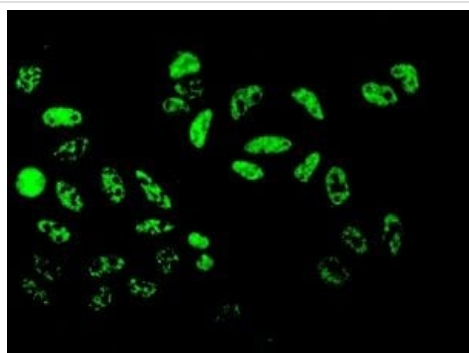
Observed band size: 69 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDX5 antibody  
[EPR7239] (ab126730)

ab126730, at a dilution of 1/250, staining DDX5 in paraffin-embedded Human kidney tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-DDX5 antibody [EPR7239] (ab126730)

ab126730, at a dilution of 1/100, staining DDX5 in HeLa cells by Immunofluorescence.

### 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-DDX5 antibody [EPR7239] (ab126730)

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

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