

### Anti-DDX5 antibody [2257C3a] ab53216

KO 評価済

3 References 画像数 4

#### 製品の概要

製品名	Anti-DDX5 antibody [2257C3a]
製品の詳細	Mouse monoclonal [2257C3a] to DDX5
由来種	Mouse
アプリケーション	適用あり: WB
種交差性	交差種: Mouse, Rat, Human
免疫原	Recombinant fragment of human DDX5.
ポジティブ・コントロール	HeLa whole cell lysate ( <a href="#">ab150035</a> ), NIH3T3 whole cell lysate and F2408 whole cell lysate.
特記事項	<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>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.40</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 1% BSA, PBS</p>
精製度	Protein G purified
特記事項 (精製)	ab53216 was purified from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum. Filtered through a 0.22 µm membrane.
ポリ/モノ	モノクローナル
クローン名	2257C3a

## アプリケーション

### The Abpromise guarantee

**Abpromise保証は、**次のテスト済みアプリケーションにおけるab53216の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/100. Detects a band of approximately 69 kDa (predicted molecular weight: 69 kDa).

## ターゲット情報

### 機能

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

### 配列類似性

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

Contains 1 helicase ATP-binding domain.

Contains 1 helicase C-terminal domain.

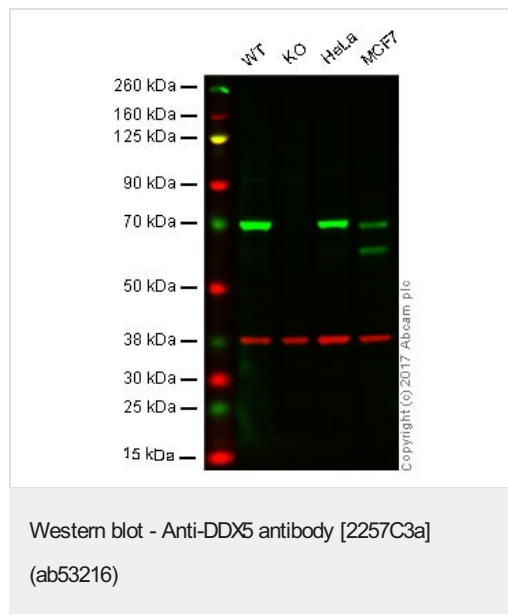
### 翻訳後修飾

Arg-502 is dimethylated, probably to asymmetric dimethylarginine.

### 細胞内局在

Nucleus > nucleolus.

## 画像



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

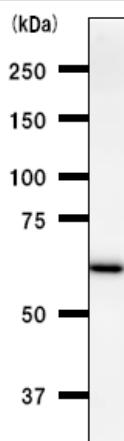
**Lane 2:** DDX5 knockout HAP1 whole cell lysate (20 µg)

**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 - ab53216 observed at 69 kDa. Red - loading control, **ab181602**, observed at 37 kDa.

ab53216 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. Ab53216 and **ab181602** (Rabbit anti-GAPDH loading control) were incubated overnight at 4°C at 1/100 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Mouse IgG H&L (IRDye® 800CW) preabsorbed **ab216772** and Goat anti-Rabbit IgG H&L (IRDye® 680RD) preabsorbed **ab216777** secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-DDX5 antibody [2257C3a]  
(ab53216)

Anti-DDX5 antibody [2257C3a] (ab53216) at 1/100 dilution +  
F2408 whole cell lysate at 25 µg

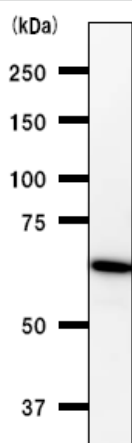
### Secondary

anti-Mouse IgG at 1/2500 dilution

Developed using the ECL technique.

**Predicted band size:** 69 kDa

**Observed band size:** 69 kDa



Western blot - Anti-DDX5 antibody [2257C3a]  
(ab53216)

Anti-DDX5 antibody [2257C3a] (ab53216) at 1/100 dilution + HeLa  
whole cell lysate at 25 µg

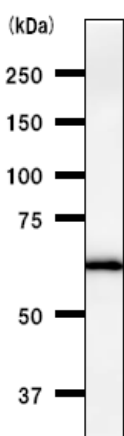
### Secondary

anti-Mouse IgG at 1/2500 dilution

Developed using the ECL technique.

**Predicted band size:** 69 kDa

**Observed band size:** 69 kDa



Western blot - Anti-DDX5 antibody [2257C3a]  
(ab53216)

Anti-DDX5 antibody [2257C3a] (ab53216) at 1/100 dilution +  
NIH3T3 whole cell lysate at 25 µg

### Secondary

anti-mouse IgG at 1/2500 dilution

Developed using the ECL technique.

**Predicted band size:** 69 kDa

**Observed band size:** 69 kDa

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

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