

### Anti-HuR / ELAVL1 antibody [EPR17397] ab200342

KO 評価済 リコンビナント RabMAb

45 References 画像数 12

#### 製品の概要

製品名	Anti-HuR / ELAVL1 antibody [EPR17397]
製品の詳細	Rabbit monoclonal [EPR17397] to HuR / ELAVL1
由来種	Rabbit
アプリケーション	適用あり: IHC-P, WB, ICC/IF, IP, Flow Cyt (Intra)
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: SW480, HAP1, 293, HeLa, Jurkat and K562 whole cell lysates; Human fetal brain, fetal kidney and fetal heart lysates; Mouse heart, mouse kidney, rat brain and rat spleen lysates. IHC-P: Human cervix carcinoma, mouse cardiac muscle and rat cerebral cortex tissues. ICC/IF: HeLa cells. IP: HeLa whole cell lysate. Flow: Jurkat (human acute T cell leukemia)
特記事項	<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>

#### 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 long term. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR17397

アイソタイプ

IgG

アプリケーション

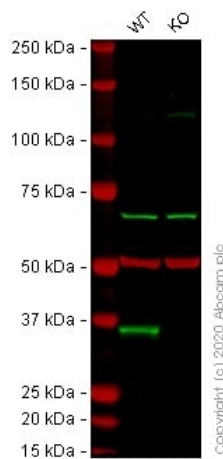
The Abpromise guarantee      Abpromise保証は、 次のテスト済みアプリケーションにおけるab200342の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000. Detects a band of approximately 36 kDa (predicted molecular weight: 36 kDa).
ICC/IF		1/250.
IP		1/30.
Flow Cyt (Intra)		Use a concentration of 0.1 µg/ml.

ターゲット情報

機能	Involved in 3'-UTR ARE-mediated MYC stabilization. Binds avidly to the AU-rich element in FOS and IL3/interleukin-3 mRNAs. In the case of the FOS AU-rich element, HUR binds to a core element of 27 nucleotides that contain AUUUA, AUUUUA and AUUUUUUA motifs.
組織特異性	Ubiquitous.
配列類似性	Belongs to the RRM elav family. Contains 3 RRM (RNA recognition motif) domains.
翻訳後修飾	Methylated at Arg-217 by CARM1 in macrophages in response to LPS challenge.
細胞内局在	Cytoplasm.

画像



Western blot - Anti-HuR / ELAVL1 antibody  
[EPR17397] (ab200342)

**All lanes :** Anti-HuR / ELAVL1 antibody [EPR17397] (ab200342)  
at 1/5000 dilution

**Lane 1 :** Wild-type SW480 (Human colorectal adenocarcinoma cell  
line) cell lysate

**Lane 2 :** ELAVL1 knockout SW480 (Human colorectal  
adenocarcinoma cell line) cell lysate

Lysates/proteins at 40 µg per lane.

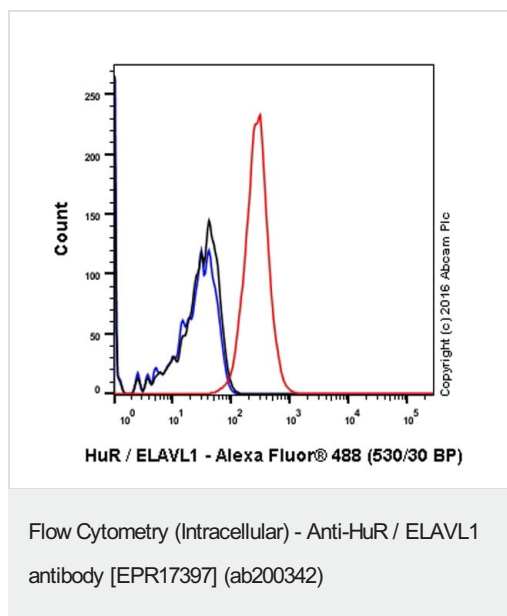
Performed under reducing conditions.

**Predicted band size:** 36 kDa

**Observed band size:** 36 kDa

**Lanes 1 - 2:** Merged signal (red and green). Green - ab200342  
observed at 36 kDa. Red - loading control **ab7291** (Mouse anti-  
Alpha Tubulin [DM1A]) observed at 55kDa.

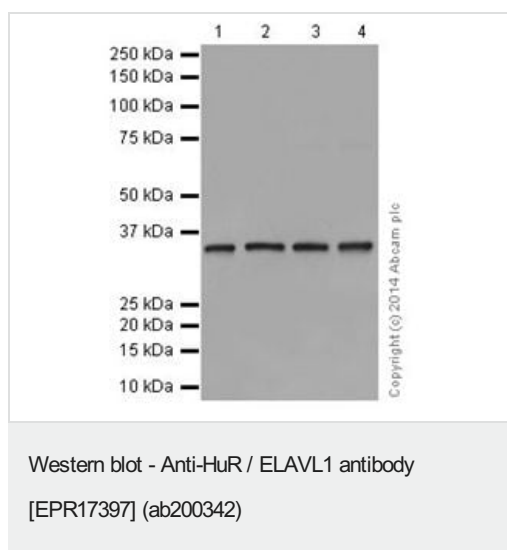
ab200342 was shown to react with ELAVL1 in wild-type SW480  
cells in western blot with loss of signal observed in ELAVL1  
knockout sample. Wild-type and ELAVL1 knockout SW480 cell  
lysates were subjected to SDS-PAGE. Membranes were blocked in  
3% milk in TBS-T (0.1% Tween®) before incubation with ab200342  
and **ab7291** (Mouse anti-Alpha Tubulin [DM1A]) overnight at 4°C at  
a 1 in 5000 dilution and a 1 in 20000 dilution respectively. Blots  
were incubated 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 in  
20000 dilution for 1 hour at room temperature before imaging.



ab200342 staining HuR / ELAVL1 in Jurkat (human acute T cell leukemia) cells by intracellular flow cytometry. Cells were fixed with 4% paraformaldehyde and the sample was incubated with the primary antibody at a dilution of 1/23000. 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-HuR / ELAVL1 antibody [EPR17397] (ab200342) at 1/5000 dilution

**Lane 1** : 293 (Human embryonic kidney) whole cell lysate

**Lane 2** : HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate

**Lane 3** : Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysate

**Lane 4** : K562 (Human chronic myelogenous leukemia cells from bone marrow) whole cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

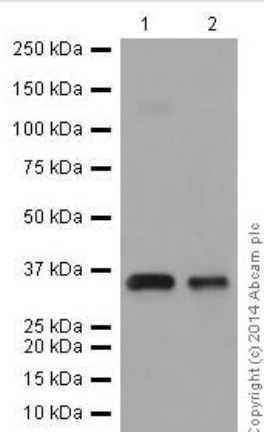
**All lanes** : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 36 kDa

**Observed band size:** 36 kDa

**Exposure time:** 5 seconds

Blocking/dilution buffer: 5% NFDM/TBST.



Western blot - Anti-HuR / ELAVL1 antibody  
[EPR17397] (ab200342)

**All lanes :** Anti-HuR / ELAVL1 antibody [EPR17397] (ab200342)  
at 1/1000 dilution

**Lane 1 :** Human fetal brain lysate

**Lane 2 :** Human fetal kidney lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

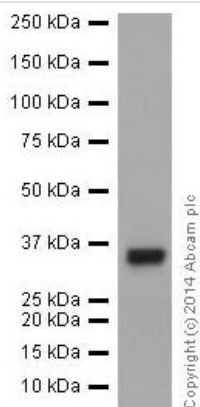
**All lanes :** Anti-Rabbit IgG (HRP), specific to the non-reduced form  
of IgG at 1/1000 dilution

**Predicted band size:** 36 kDa

**Observed band size:** 36 kDa

**Exposure time:** 5 seconds

Blocking/dilution buffer: 5% NFDm/TBST.



Western blot - Anti-HuR / ELAVL1 antibody  
[EPR17397] (ab200342)

Anti-HuR / ELAVL1 antibody [EPR17397] (ab200342) at 1/1000  
dilution + Human fetal heart lysate at 10 µg

#### Secondary

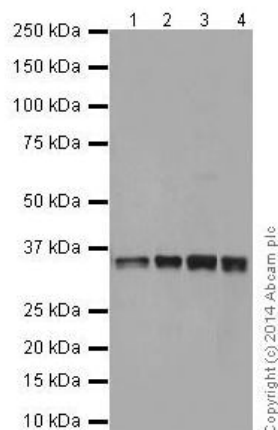
Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at  
1/1000 dilution

**Predicted band size:** 36 kDa

**Observed band size:** 36 kDa

**Exposure time:** 1 minute

Blocking/dilution buffer: 5% NFDm/TBST.



Western blot - Anti-HuR / ELAVL1 antibody  
[EPR17397] (ab200342)

**All lanes :** Anti-HuR / ELAVL1 antibody [EPR17397] (ab200342)  
at 1/1000 dilution

**Lane 1 :** Mouse heart lysate

**Lane 2 :** Mouse kidney lysate

**Lane 3 :** Rat brain lysate

**Lane 4 :** Rat spleen lysate

Lysates/proteins at 10 µg per lane.

### Secondary

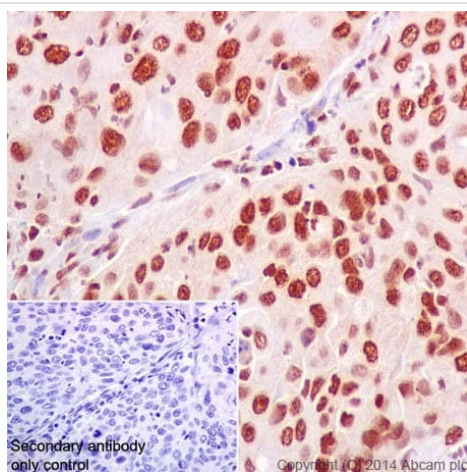
**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at  
1/1000 dilution

**Predicted band size:** 36 kDa

**Observed band size:** 36 kDa

**Exposure time:** 5 seconds

Blocking/dilution buffer: 5% NFDM/TBST.

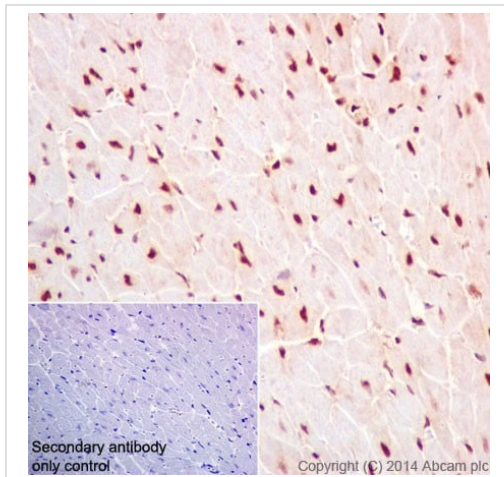


Immunohistochemistry (Formalin/PFA-fixed paraffin-  
embedded sections) - Anti-HuR / ELAVL1 antibody  
[EPR17397] (ab200342)

Immunohistochemical analysis of paraffin-embedded Human cervix carcinoma tissue labeling HuR / ELAVL1 with ab200342 at 1/500 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Nuclear and weakly cytoplasm staining on Human cervix carcinoma tissue is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**).

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

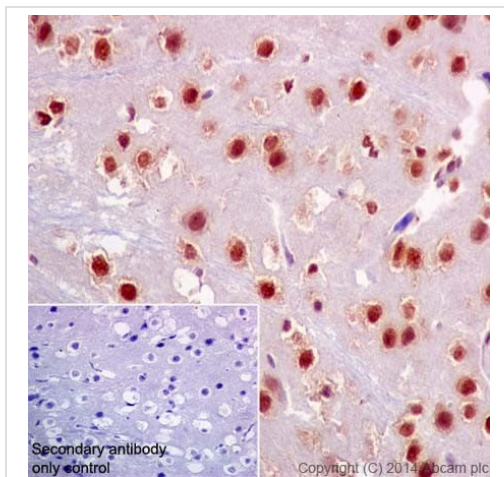


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HuR / ELAVL1 antibody [EPR17397] (ab200342)

Immunohistochemical analysis of paraffin-embedded Mouse cardiac muscle tissue labeling HuR / ELAVL1 with ab200342 at 1/500 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Nuclear and weakly cytoplasm staining on Mouse cardiac muscle tissue is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)).

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



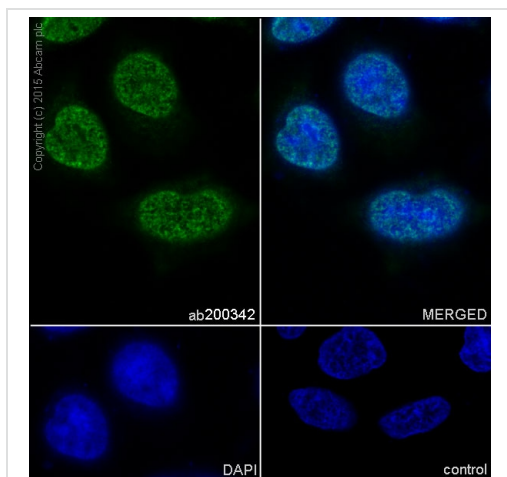
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HuR / ELAVL1 antibody [EPR17397] (ab200342)

Immunohistochemical analysis of paraffin-embedded Rat cerebral cortex tissue labeling HuR / ELAVL1 with ab200342 at 1/500 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Nuclear and weakly cytoplasm staining on rat cerebral cortex tissue is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)).

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

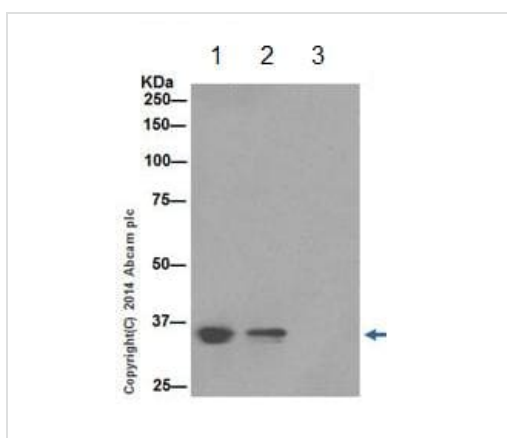




Immunocytochemistry/ Immunofluorescence - Anti-HuR / ELAVL1 antibody [EPR17397] (ab200342)

Immunocytochemistry/Immunofluorescence analysis of HeLa cells labelling HuR / ELAVL1 with ab200342 at 1/500. Cells were fixed with 100% methanol. **ab150077**, an Alexa Fluor® 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody. Control: PBS only.

Nuclear counter stain: DAPI.



Immunoprecipitation - Anti-HuR / ELAVL1 antibody [EPR17397] (ab200342)

HuR / ELAVL1 was immunoprecipitated from 1mg of HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate with ab200342 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab200342 at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution.

Lane 1: HeLa whole cell lysate 10 µg (Input). Lane 2: ab200342 IP in HeLa whole cell lysate. Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab200342 in HeLa whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Why choose a recombinant antibody?

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**Success from the first experiment**  
Confirmed specificity

**Ethical standards compliant**  
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Anti-HuR / ELAVL1 antibody [EPR17397] (ab200342)



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