

Anti-HuR / ELAVL1 antibody [EPR17397] ab200342

敲除验证 重组 RabMAb

45 References 12 图像

概述

产品名称	Anti-HuR / ELAVL1抗体[EPR17397]
描述	兔单克隆抗体[EPR17397] to HuR / ELAVL1
宿主	Rabbit
经测试应用	适用于: IHC-P, WB, ICC/IF, IP, Flow Cyt (Intra)
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	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)
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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 long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR17397

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab200342于以下的经测试应用

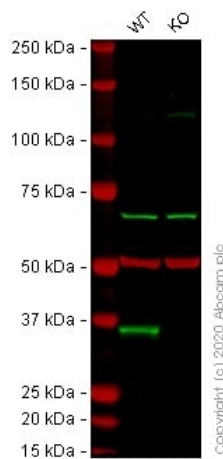
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
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.

靶标

功能	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 AUUUUUA motifs.
组织特异性	Ubiquitous.
序列相似性	Belongs to the RRM elav family. Contains 3 RRM (RNA recognition motif) domains.
翻译后修饰	Methylated at Arg-217 by CARM1 in macrophages in response to LPS challenge.
细胞定位	Cytoplasm.

图片



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.

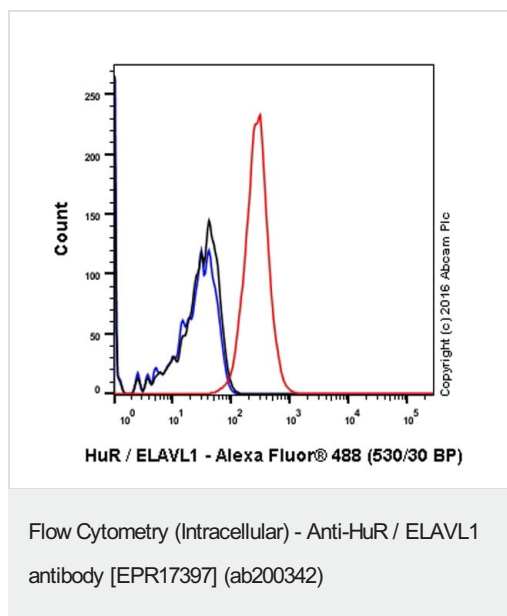
Performed under reducing conditions.

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.

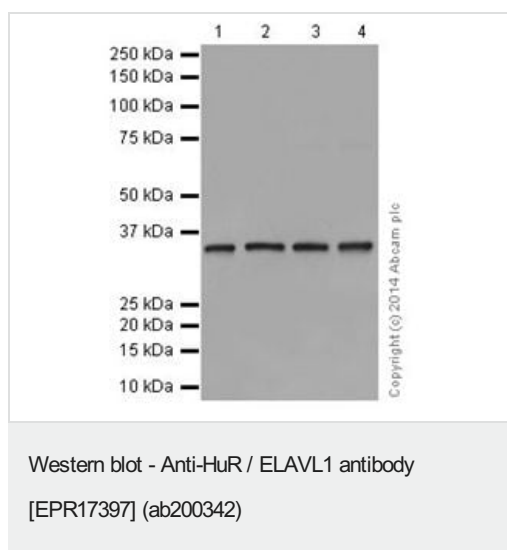
ab200342 was shown to react with ELAVL1 in wild-type SW480
cells in western blot with loss of signal observed in ELAVL1
knockout sample. Wild-type and ELAVL1 knockout SW480 cell
lysates were subjected to SDS-PAGE. Membranes were blocked in
3% milk in TBS-T (0.1% Tween®) before incubation with ab200342
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

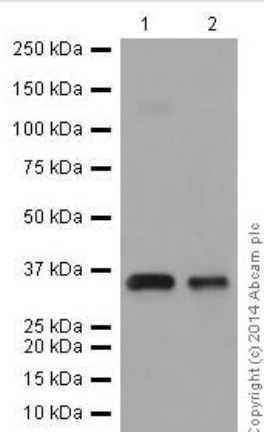
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

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

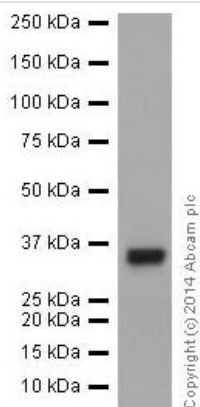
All lanes : Anti-Rabbit IgG (HRP), specific to the non-reduced form
of IgG at 1/1000 dilution

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

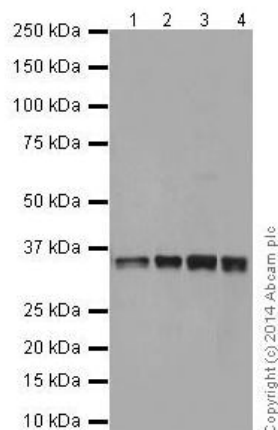
Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at
1/1000 dilution

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

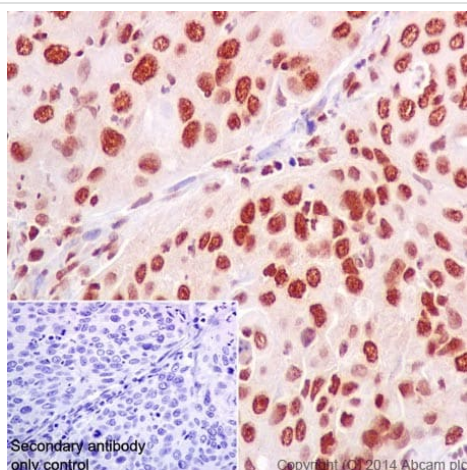
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at
1/1000 dilution

Predicted band size: 36 kDa

Observed band size: 36 kDa

Exposure time: 5 seconds

Blocking/dilution buffer: 5% NFDM/TBST.

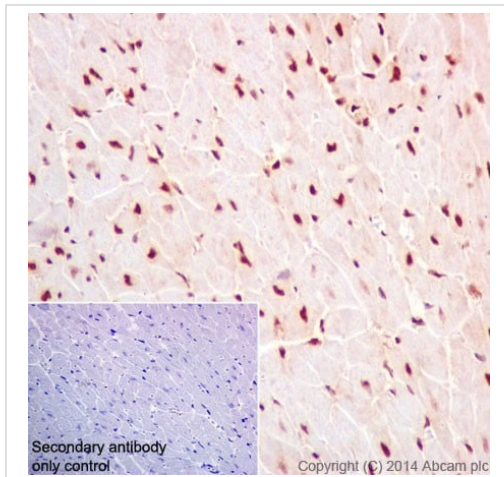


Immunohistochemistry (Formalin/PFA-fixed paraffin-
embedded sections) - Anti-HuR / ELAVL1 antibody
[EPR17397] (ab200342)

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.

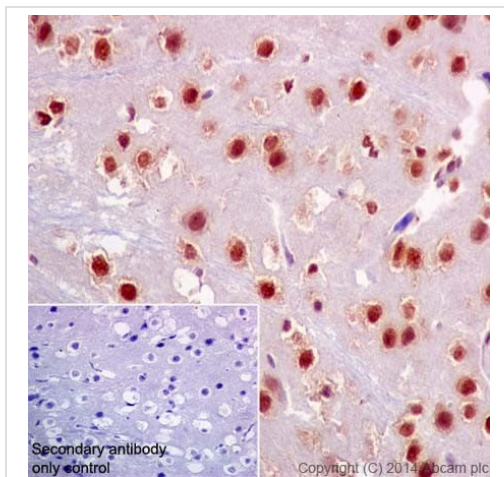


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HuR / ELAVL1 antibody [EPR17397] (ab200342)

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.

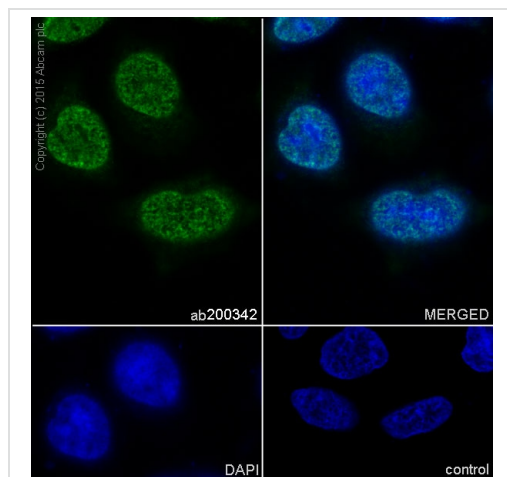


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HuR / ELAVL1 antibody [EPR17397] (ab200342)

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](#)).

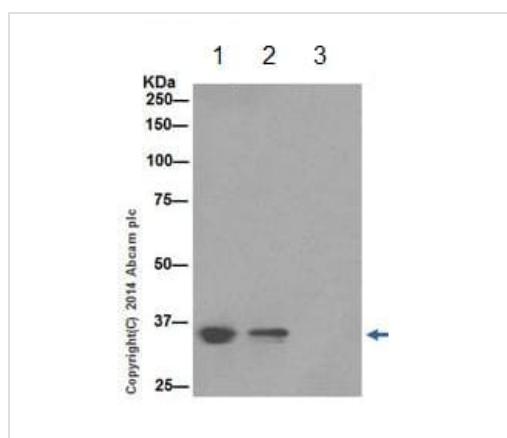
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



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?

Research with confidence
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Anti-HuR / ELAVL1 antibody [EPR17397] (ab200342)

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