Overview

Product name: Anti-HuR / ELAVL1 antibody [EPR17397]
Description: Rabbit monoclonal [EPR17397] to HuR / ELAVL1
Host species: Rabbit
Tested applications: Suitable for: IHC-P, WB, ICC/IF, IP, Flow Cyt
Species reactivity: Reacts with: Mouse, Rat, Human
Immunogen: Synthetic peptide within Human HuR/ELAVL1 aa 50-150. The exact sequence is proprietary.
Database link: Q15717

General notes: Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents. This product is a recombinant rabbit monoclonal antibody.

Properties

Form: Liquid
Storage buffer: Preservative: 0.01% Sodium azide
Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
Purity: Protein A purified
Clonality: Monoclonal
Clone number: EPR17397
Isotype: IgG

Applications
Function
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.

Tissue specificity
Ubiquitous.

Sequence similarities
Belongs to the RRM elav family.
Contains 3 RRM (RNA recognition motif) domains.

Post-translational modifications
Methylated at Arg-217 by CARM1 in macrophages in response to LPS challenge.

Cellular localization
Cytoplasm.

Target

Images

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.

ab200342 staining HuR / ELAVL1 in Jurkat (human acute T cell leukemia) cells by 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.

Isoytype control: Rabbit monoclonal IgG (Black)

Unlabelled control: Cell without incubation with primary antibody and secondary antibody (Blue)

Flow Cytometry - 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.

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.

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.
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.

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.
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 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 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.

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

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