abcam

Product datasheet

Anti-HuR / ELAVL1 antibody [EPR17397] - BSA and Azide free ab242410

KO 評価済 リコンビナント RabMAb

1 References 画像数 8

製品の概要

製品名	Anti-HuR / ELAVL1 antibody [EPR17397] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR17397] to HuR / ELAVL1 - BSA and Azide free
由来種	Rabbit
アプリケーション	**適用あり:** ICC/IF, IHC-P, IP, WB, 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 and HAP1 cell lysates. IHC-P: Human cervix carcinoma, mouse cardiac muscle and rat cerebral cortex tissues. ICC/IF: HeLa cells. IP: HeLa whole cell lysate. Flow Cyt (intra): Jurkat (human acute T cell leukemia).
特記事項	ab242410 is the carrier-free version of **ab200342**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit

monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
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ab242410の使用に適用されます

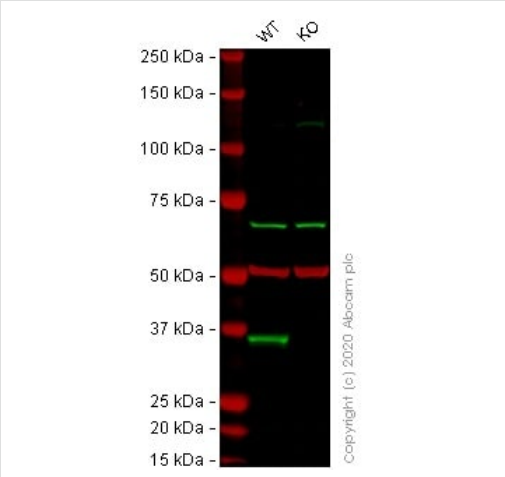
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

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

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 AUUUUUA 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] - BSA and Azide free (ab242410)

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.

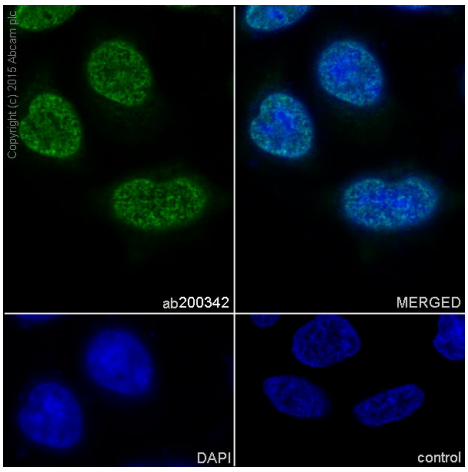
Performed under reducing conditions.

Predicted band size: 36 kDa
Observed band size: 36 kDa

This data was developed using the same antibody clone in a different buffer formulation (**ab200342**).

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.

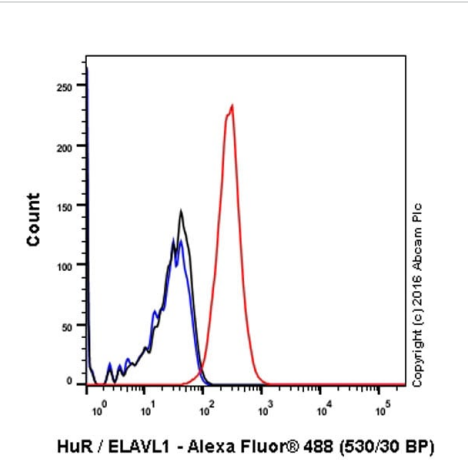
ab200342 was shown to react with ELAVL1 in wild-type SW480 cells in western blot with loss of signal observed in ELAVL1 knockout sample. Wild-type and ELAVL1 knockout SW480 cell lysates were subjected to SDS-PAGE. Membranes were blocked in 3% milk in TBS-T (0.1% Tween®) before incubation with **ab200342**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



Immunocytochemistry/ Immunofluorescence - Anti-HuR / ELAVL1 antibody [EPR17397] - BSA and Azide free (ab242410)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab200342**)



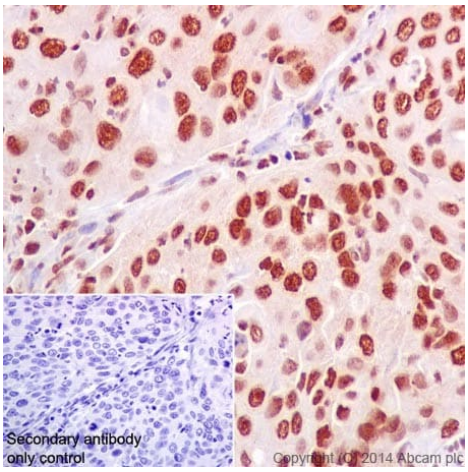
Flow Cytometry (Intracellular) - Anti-HuR / ELAVL1 antibody [EPR17397] - BSA and Azide free (ab242410)

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.

Isoytype control: Rabbit monoclonal IgG (Black)

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab200342**)



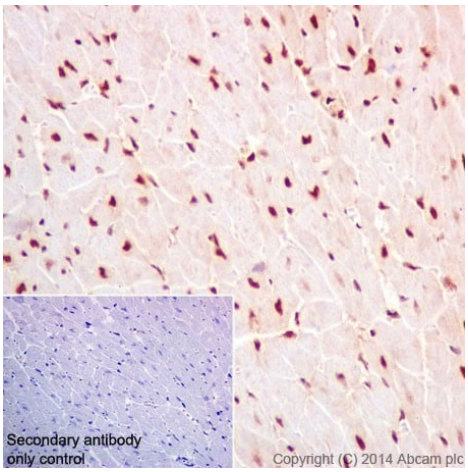
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HuR / ELAVL1 antibody [EPR17397] - BSA and Azide free (ab242410)

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**).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab200342**)

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



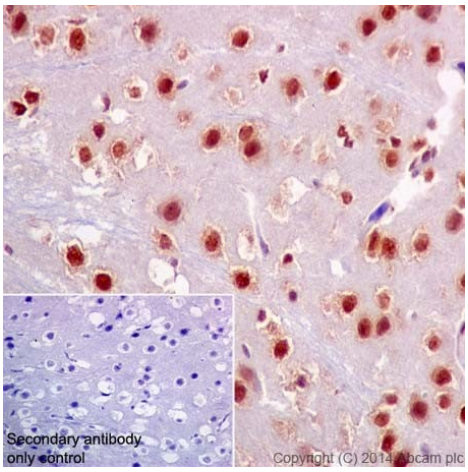
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HuR / ELAVL1 antibody [EPR17397] - BSA and Azide free (ab242410)

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**).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab200342**)

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



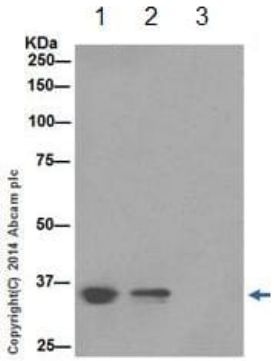
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HuR / ELAVL1 antibody [EPR17397] - BSA and Azide free (ab242410)

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**).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab200342**)

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



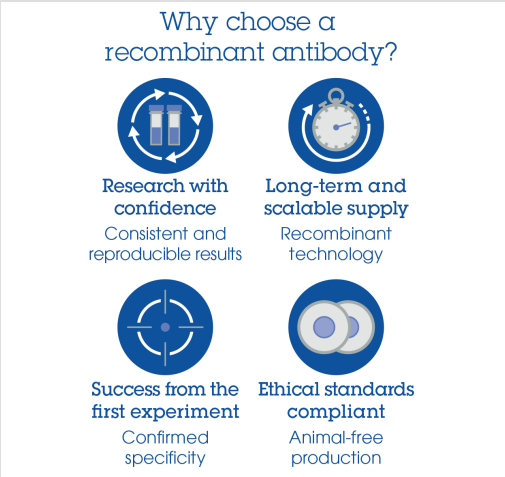
Immunoprecipitation - Anti-HuR / ELAVL1 antibody [EPR17397] - BSA and Azide free (ab242410)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab200342**)



Anti-HuR / ELAVL1 antibody [EPR17397] - BSA and Azide free (ab242410)

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