abcam

Product datasheet

Anti-CUG-BP1 antibody [EPR8298(B)] ab129115

KO 評価済 リコンビナント RabMAb

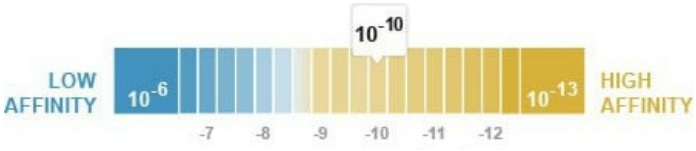
7 References 画像数 4

製品の概要

製品名	Anti-CUG-BP1 antibody [EPR8298(B)]
製品の詳細	Rabbit monoclonal [EPR8298(B)] to CUG-BP1
由来種	Rabbit
アプリケーション	**適用あり:** WB
種交差性	**交差種:** Human **交差が予測される動物種:** Mouse, Rat
免疫原	Synthetic peptide within Human CUG-BP1 aa 1-100 (N terminal). The exact sequence is proprietary. Database link: **Q92879**
ポジティブ・コントロール	WB: HEK-293T, HeLa and SH-SY5Y cell lysates.
特記事項	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 -20°C. Stable for 12 months at -20°C.
解離定数（K_D 値）	$K_D = 3.76 \times 10^{-10}$ M



Learn more about K_D

バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR8298(B)
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ab129115の使用に適用されます**

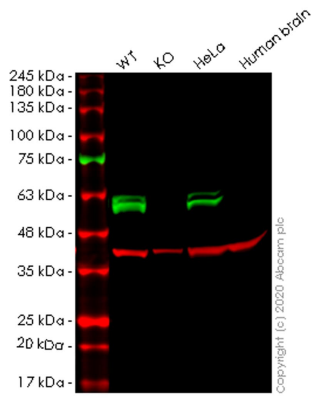
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Detects a band of approximately 52 kDa (predicted molecular weight: 52 kDa).

ターゲット情報

機能	RNA-binding protein implicated in the regulation of several post-transcriptional events. Involved in pre-mRNA alternative splicing, mRNA translation and stability. Mediates exon inclusion and/or exclusion in pre-mRNA that are subject to tissue-specific and developmentally regulated alternative splicing. Specifically activates exon 5 inclusion of cardiac isoforms of TNNT2 during heart remodeling at the juvenile to adult transition. Acts as both an activator and repressor of a pair of coregulated exons: promotes inclusion of the smooth muscle (SM) exon but exclusion of the non-muscle (NM) exon in actinin pre-mRNAs. Activates SM exon 5 inclusion by antagonizing the repressive effect of PTB. Promotes exclusion of exon 11 of the INSR pre-mRNA. Inhibits, together with HNRNPH1, insulin receptor (IR) pre-mRNA exon 11 inclusion in myoblast. Increases translation and controls the choice of translation initiation codon of CEBPB mRNA. Increases mRNA translation of CEBPB in aging liver (By similarity). Increases translation of CDKN1A mRNA by antagonizing the repressive effect of CALR3. Mediates rapid cytoplasmic mRNA deadenylation. Recruits the deadenylase PARN to the poly(A) tail of EDEN-containing mRNAs to promote their deadenylation. Required for completion of spermatogenesis (By similarity). Binds to (CUG)n triplet repeats in the 3'-UTR of transcripts such as DMPK and to Bruno response elements (BREs). Binds to muscle-specific splicing enhancer (MSE) intronic sites flanking the alternative exon 5 of TNNT2 pre-mRNA. Binds to AU-rich sequences (AREs or EDEN-like) localized in the 3'-UTR of JUN and FOS mRNAs. Binds to the IR RNA. Binds to the 5'-region of CDKN1A and CEBPB mRNAs. Binds with the 5'-region of CEBPB mRNA in aging liver.
組織特異性	Ubiquitous.
配列類似性	Belongs to the CELF/BRUNOL family. Contains 3 RRM (RNA recognition motif) domains.
翻訳後修飾	Phosphorylated. Its phosphorylation status increases in senescent cells.
細胞内局在	Nucleus. Cytoplasm. RNA-binding activity is detected in both nuclear and cytoplasmic compartments.

画像



Western blot - Anti-CUG-BP1 antibody [EPR8298(B)] (ab129115)

All lanes : Anti-CUG-BP1 antibody [EPR8298(B)] (ab129115) at 1/1000 dilution

Lane 1 : Wild-type HEK293T cell lysate
Lane 2 : CELF1 knockout HEK293T cell lysate
Lane 3 : HeLa cell lysate
Lane 4 : Human brain tissue lysate

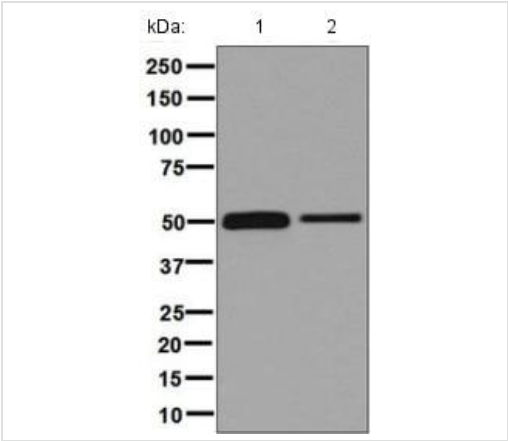
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

Predicted band size: 52 kDa
Observed band size: 52 kDa

Lanes 1-4: Merged signal (red and green). Green - ab129115 observed at 52 kDa. Red - loading control **ab8245** observed at 36 kDa.

ab129115 Anti-CUG-BP1 antibody [EPR8298(B)] was shown to specifically react with CUG-BP1 in wild-type HEK293T cells. Loss of signal was observed when knockout cell line **ab266086** (knockout cell lysate **ab257390**) was used. Wild-type and CUG-BP1 knockout samples were subjected to SDS-PAGE. ab129115 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-CUG-BP1 antibody [EPR8298(B)] (ab129115)

All lanes : Anti-CUG-BP1 antibody [EPR8298(B)] (ab129115) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : SH-SY5Y cell lysate

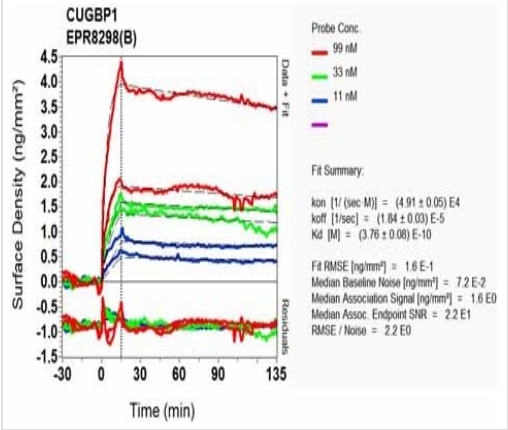
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Standard HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 52 kDa

Observed band size: 52 kDa



OI-RD Scanning - Anti-CUG-BP1 antibody [EPR8298(B)] (ab129115)

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D

Anti-CUG-BP1 antibody [EPR8298(B)] (ab129115)

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