

Anti-hnRNP D/AUF1 antibody ab61193

[25 References](#) [画像数 3](#)

製品の概要

製品名	Anti-hnRNP D/AUF1 antibody
製品の詳細	Rabbit polyclonal to hnRNP D/AUF1
由来種	Rabbit
アプリケーション	適用あり: ELISA, IP, WB, ICC/IF, IHC-P
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic non-phosphopeptide (Human) from around the phosphorylation site of serine 83 (NSS ^P PR)
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

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.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride
精製度	Without Mg ²⁺ and Ca ²⁺ Immunogen affinity purified
ポリモノ	ポリクローナル
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ab61193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
ELISA		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration. PubMed: 20435889
WB		1/500 - 1/1000. Detects a band of approximately 38 kDa (predicted molecular weight: 38 kDa).
ICC/IF		1/500 - 1/1000.
IHC-P		1/50 - 1/100.

ターゲット情報

機能

Binds with high affinity to RNA molecules that contain AU-rich elements (AREs) found within the 3'-UTR of many proto-oncogenes and cytokine mRNAs. Also binds to double- and single-stranded DNA sequences in a specific manner and functions as a transcription factor. Each of the RNA-binding domains specifically can bind solely to a single-stranded non-monotonous 5'-UUAG-3' sequence and also weaker to the single-stranded 5'-TTAGGG-3' telomeric DNA repeat. Binds RNA oligonucleotides with 5'-UUAGGG-3' repeats more tightly than the telomeric single-stranded DNA 5'-TTAGGG-3' repeats. Binding of RRM1 to DNA inhibits the formation of DNA quadruplex structure which may play a role in telomere elongation. May be involved in translationally coupled mRNA turnover. Implicated with other RNA-binding proteins in the cytoplasmic deadenylation/translational and decay interplay of the FOS mRNA mediated by the major coding-region determinant of instability (mCRD) domain.

配列類似性

Contains 2 RRM (RNA recognition motif) domains.

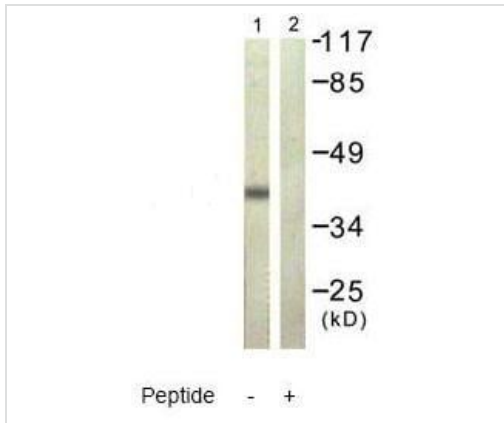
翻訳後修飾

Arg-345 is dimethylated, probably to asymmetric dimethylarginine.
Methylated by PRMT1, in an insulin-dependent manner. The PRMT1-mediated methylation regulates tyrosine phosphorylation.

細胞内局在

Nucleus. Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Component of ribonucleosomes.

画像



Western blot - Anti-hnRNP D/AUF1 antibody (ab61193)

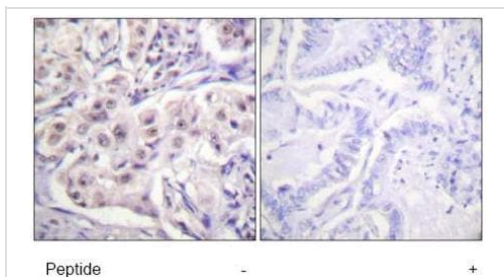
All lanes : Anti-hnRNP D/AUF1 antibody (ab61193) at 1/500 dilution

Lane 1 : 293 cell extract

Lane 2 : 293 cell extract with immunizing peptide

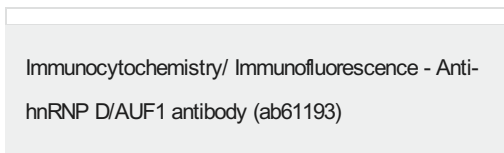
Predicted band size: 38 kDa

Observed band size: 38 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-hnRNP D/AUF1 antibody (ab61193)

Immunohistochemical analysis of paraffin embedded human lung carcinoma tissue using ab61193 at 1/50-1/100 dilution. Samples were treated +/- peptide.



ICC/IF image of ab61193 stained Hek293 cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab61193, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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