abcam

Product datasheet

Anti-hnRNP C1/C2 antibody ab107124

画像数 2

製品の概要

製品名	Anti-hnRNP C1/C2 antibody
製品の詳細	Rabbit polyclonal to hnRNP C1/C2
由来種	Rabbit
アプリケーション	**適用あり:** IHC-P, WB
種交差性	**交差種:** Human
免疫原	Synthetic peptide conjugated to KLH, corresponding to a region within C terminal amino acids 282-310 of Human hnRNP C1 + C2 (NP_004491.2).
ポジティブ・コントロール	Jurkat cell line lysates; Human bladder carcinoma tissue.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at 4°C (up to 6 months). Store at -20°C long term.
バッファー	Preservative: 0.09% Sodium azide Constituent: PBS
精製度	Immunogen affinity purified
特記事項（精製）	ab107124 is purified through a protein A column, followed by peptide affinity purification.
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ab107124の使用に適用されます

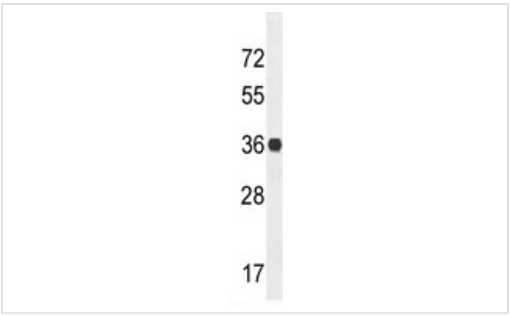
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/100 - 1/500. Predicted molecular weight: 34 kDa.

ターゲット情報

機能	Binds pre-mRNA and nucleates the assembly of 40S hnRNP particles (PubMed:8264621). Specifically recognizes and binds N6-methyladenosine (m6A)-containing RNAs, a modification present at internal sites of mRNAs that affects mRNA splicing, processing and stability. M6A alters the local structure in mRNAs and long non-coding RNAs (lncRNAs) via a mechanism named 'm(6)A-switch' to facilitate binding of HNRNPC, leading to regulation of mRNA splicing (PubMed:25719671). Single HNRNPC tetramers bind 230-240 nucleotides. Trimers of HNRNPC tetramers bind 700 nucleotides. May play a role in the early steps of spliceosome assembly and pre-mRNA splicing. Interacts with poly-U tracts in the 3'-UTR or 5'-UTR of mRNA and modulates the stability and the level of translation of bound mRNA molecules (PubMed:12509468, PubMed:16010978, PubMed:7567451, PubMed:8264621).
配列類似性	Belongs to the RRM HNRPC family. RALY subfamily. Contains 1 RRM (RNA recognition motif) domain.
翻訳後修飾	Phosphorylated on Ser-260 and Ser-299 in resting cells. Phosphorylated on Ser-253 and on 1 serine residue in the poly-Ser stretch at position 238 in response to hydrogen peroxide. Sumoylated. Sumoylation reduces affinity for mRNA.
細胞内局在	Nucleus. Component of ribonucleosomes.

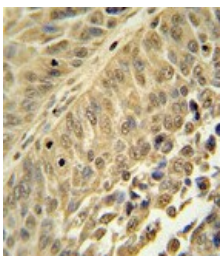
画像



Western blot - Anti-hnRNP C1 + C2 antibody (ab107124)

Anti-hnRNP C1/C2 antibody (ab107124) at 1/100 dilution + Jurkat cell line lysates at 35 µg

Predicted band size: 34 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-hnRNP C1 + C2 antibody (ab107124)

ab107124 at 1/50 dilution, staining hnRNP C1 + C2 in Human bladder carcinoma by Immunohistochemistry, Formalin-fixed, Paraffin-embedded tissue, followed by peroxidase-conjugated secondary antibody and DAB staining.

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