

Product datasheet

Anti-hnRNP H antibody ab10374

★★★★★ 4 Abreviews 17 References 画像数 4

製品の概要

製品名	Anti-hnRNP H antibody
製品の詳細	Rabbit polyclonal to hnRNP H
由来種	Rabbit
特異性	The antibody was designed against hnRNPH1 and does not recognize hnRNPH3. The epitope recognized by ab10374 maps to a region between residue 400 and the C-terminus (residue 448) of human Heterogeneous Nuclear Ribonucleoprotein H1 using the numbering given in entry NP_005511.1 (GeneID 3187).
アプリケーション	適用あり: WB, IP, IHC-Fr, IHC-P, ICC/IF
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat, Rabbit, Horse, Guinea pig, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Opossum, Orangutan, Elephant
免疫原	Immunogen was a synthetic peptide, which represented a portion of the C-terminus of human heterogeneous nuclear ribonucleoprotein H1 (LocusLink ID 3187).
ポジティブ・コントロール	nuclear lysate from HeLa cells.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: 0.1% Sodium azide Constituents: 0.021% PBS, 1.764% Sodium citrate, 1.815% Tris
精製度	Immunogen affinity purified
特記事項(精製)	Antibodies were affinity purified using the peptide immobilized on solid support.
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

Our [Abpromise guarantee](#) covers the use of **ab10374** in the following tested applications.

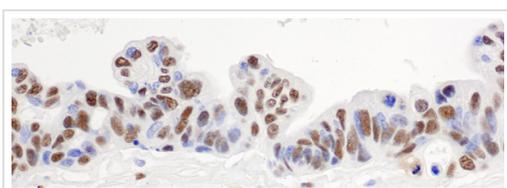
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB	★★★★★	1/10000 - 1/30000. Detects a band of approximately 49 kDa (predicted molecular weight: 53 kDa).
IP	★★★★★	Use at 4-8 µg/mg of lysate.
IHC-Fr		Use at an assay dependent concentration. PubMed: 24462217
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF	★★★★★	1/500. PubMed: 20020773

ターゲット情報

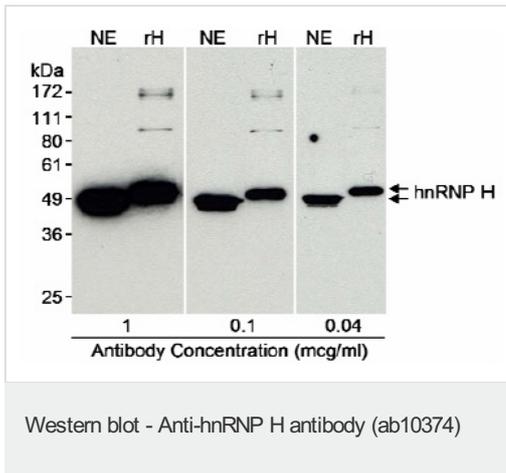
機能	This protein is a component of the heterogeneous nuclear ribonucleoprotein (hnRNP) complexes which provide the substrate for the processing events that pre-mRNAs undergo before becoming functional, translatable mRNAs in the cytoplasm. Mediates pre-mRNA alternative splicing regulation. Inhibits, together with CUGBP1, insulin receptor (IR) pre-mRNA exon 11 inclusion in myoblast. Binds to the IR RNA. Binds poly(RG).
組織特異性	Expressed ubiquitously.
配列類似性	Contains 3 RRM (RNA recognition motif) domains.
ドメイン	Each quasi-RRM repeat bound poly(RG), while only the N-terminal QRRM bound poly(RC) and poly(RU). None of the repeats bound detectable amounts of poly(RA).
細胞内局在	Nucleus > nucleoplasm.

画像



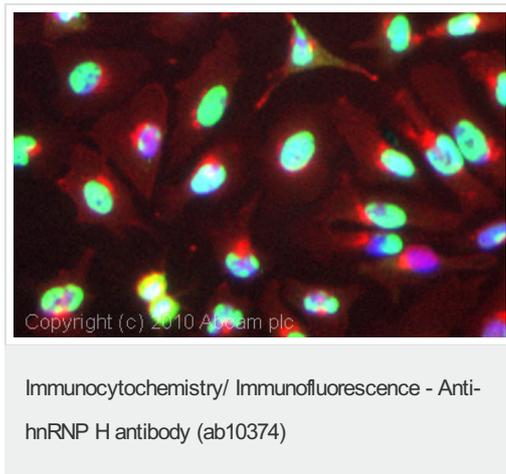
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-hnRNP H antibody (ab10374)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human ovarian carcinoma tissue labelling hnRNP H with ab10374 at 1/1000 (1µg/ml).
Detection: DAB.

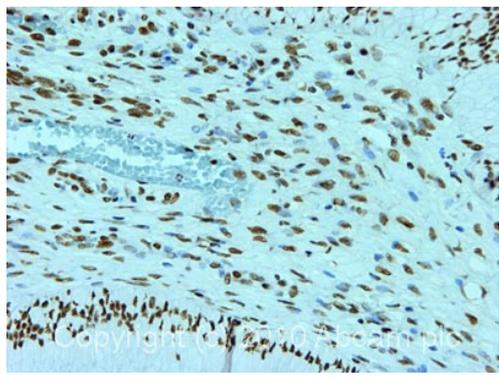


ab10374 detection of human hnRNPH by Western Blot. *Samples:* Nuclear extract (NE; 40 µg) from HeLa cells and recombinant human hnRNPH (rH; ~100 ng). *Antibody:* ab10374 used at the indicated concentrations. *Detection:* Protein A – HRP with chemiluminescence (20 second exposure after a 20 minute delay to allow signal to decay).

ab10374 detection of human hnRNPH by Western Blot. *Samples:* Nuclear extract (NE; 40 µg) from HeLa cells and recombinant human hnRNPH (rH; ~100 ng). *Antibody:* ab10374 used at the indicated concentrations. *Detection:* Protein A – HRP with chemiluminescence (20 second exposure after a 20 minute delay to allow signal to decay).



ICC/IF image of ab10374 stained HeLa cells. The cells were 4% formaldehyde 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 (ab10374, 1 µg/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.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-hnRNP H antibody (ab10374)

IHC image of ab10374 staining in human normal cervical carcinoma formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab10374, 1 µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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