

Anti-hnRNP U/p120 antibody [3G6] ab10297

★★★★★ [7 Abreviews](#) [28 References](#) [画像数 4](#)

製品の概要

製品名	Anti-hnRNP U/p120 antibody [3G6]
製品の詳細	Mouse monoclonal [3G6] to hnRNP U/p120
由来種	Mouse
アプリケーション	適用あり: WB, IHC-P, Flow Cyt
種交差性	交差種: Human 非交差種: Chicken, Lizard
免疫原	Full length native protein (purified) corresponding to Human hnRNP U/p120. Crosslinked RNPs eluted from an oligo (dt) cellulose column. Database link: Q00839
ポジティブ・コントロール	WB: HeLa cytoplasmic and nuclear fraction. HEK-293T whole cell lysate. ICC/IF: U-2 OS cells. IHC-P: Human cerebellum tissue. Flow Cytometry: HeLa cells.
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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: 0.1% Sodium azide Constituent: PBS
精製度	Protein A purified
特記事項(精製)	Protein A purified from tissue culture supernatant.
ポリ/モノ	モノクローナル
クローン名	3G6

ミエローマ Sp2/0
アイソタイプ IgG1

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ab10297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	★★★★★ (3)	Use at an assay dependent concentration. Detects a band of approximately 97 kDa (predicted molecular weight: 120 kDa).
IHC-P	★★★★★ (2)	Use at an assay dependent concentration.
Flow Cyt		Use 1µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

ターゲット情報

機能 Component of the CRD-mediated complex that promotes MYC mRNA stabilization. Binds to pre-mRNA. Has high affinity for scaffold-attached region (SAR) DNA. Binds to double- and single-stranded DNA and RNA.

配列類似性 Contains 1 B30.2/SPRY domain.
Contains 1 SAP domain.

翻訳後修飾 Extensively phosphorylated.
Arg-733 and Arg-739 are dimethylated, probably to asymmetric dimethylarginine.

細胞内局在 Nucleus. Cytoplasm. Cell surface. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Component of ribonucleosomes. Also found associated with the cell surface.

画像



Western blot - Anti-hnRNP U/p120 antibody [3G6] (ab10297)

All lanes : Anti-hnRNP U/p120 antibody [3G6] (ab10297) at 1/1000 dilution

Lane 1 : Cytoplasmic fraction of HeLa (human epithelial cell line from cervix adenocarcinoma) lysate

Lane 2 : Nuclear fraction of HeLa (human epithelial cell line from cervix adenocarcinoma) lysate

Predicted band size: 120 kDa

Observed band size: 120 kDa

This correlates with the information published in the reference Dreyfuss, G. et. al.



Western blot - Anti-hnRNP U/p120 antibody [3G6] (ab10297)

This image is courtesy of an Abreview submitted by Dr Stoil Dmitrov

Anti-hnRNP U/p120 antibody [3G6] (ab10297) at 1/5000 dilution + HEK-293T (human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate at 100 μ g

Secondary

HRP conjugated sheep anti-mouse IgG

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 120 kDa

Observed band size: 120 kDa

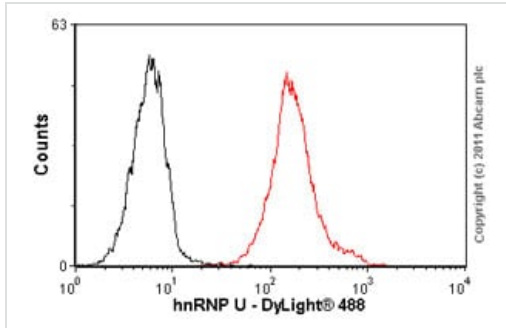
Additional bands at: 60 kDa, 80 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 1 minute

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-hnRNP U/p120 antibody [3G6] (ab10297)

ab10297 (4 μ g/ml) staining hnRNP U/p120 in human cerebellum using an automated system (DAKO Autostainer Plus). Using this protocol there is strong nuclear staining of Purkinje cells neurons. Sections were rehydrated and antigen retrieved with the Dako 3 in 1 AR buffer EDTA pH 9.0 in a DAKO PT link. Slides were peroxidase blocked in 3% H₂O₂ in methanol for 10 minutes. They were then blocked with a protein block for 10 minutes (containing casein 0.25% in PBS) then incubated with primary antibody for 20 minutes and detected with Dako Envision Flex amplification kit for

30 minutes. Colorimetric detection was completed with Diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX. Please note that, for manual staining, optimization of primary antibody concentration and incubation time is recommended. Signal amplification may be required.



Flow Cytometry - Anti-hnRNP U/p120 antibody
[3G6] (ab10297)

Overlay histogram showing HeLa (human epithelial cell line from cervix adenocarcinoma) cells stained with ab10297 (red line). The cells were fixed with 100% methanol (5 minutes) and then permeabilized with 0.1% PBS-Tween for 20 minutes. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab10297, 1 μ g/ 1×10^6 cells) for 30 minutes at 22°C. The secondary antibody used was DyLight[®] 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 minutes at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (**ab91353**, 2 μ g/ 1×10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in HeLa cells fixed with 4% paraformaldehyde (10 minutes)/permeabilized in 0.1% PBS-Tween used under the same conditions.

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