

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

★★★★★ [7 Abreviews](#) [28 References](#) [4 图像](#)

#### 概述

产品名称	Anti-hnRNP U/p120抗体[3G6]
描述	小鼠单克隆抗体[3G6] to hnRNP U/p120
宿主	Mouse
经测试应用	适用于: WB, IHC-P, Flow Cyt
种属反应性	与反应: Human 不与反应: 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: <a href="#">Q00839</a>
阳性对照	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.
常规说明	<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&amp;As</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.1% Sodium azide Constituent: PBS
纯度	Protein A purified
纯化说明	Protein A purified from tissue culture supernatant.
克隆	单克隆
克隆编号	3G6

骨髓瘤	Sp2/0
同种型	IgG1

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab10297于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
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 <sup>6</sup> cells. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

靶标

功能	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.
序列相似性	Contains 1 B30.2/SPRY domain. Contains 1 SAP domain.
翻译后修饰	Extensively phosphorylated. Arg-733 and Arg-739 are dimethylated, probably to asymmetric dimethylarginine.
细胞定位	Nucleus. Cytoplasm. Cell surface. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Component of ribonucleosomes. Also found associated with the cell surface.

图片



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 µg

### 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

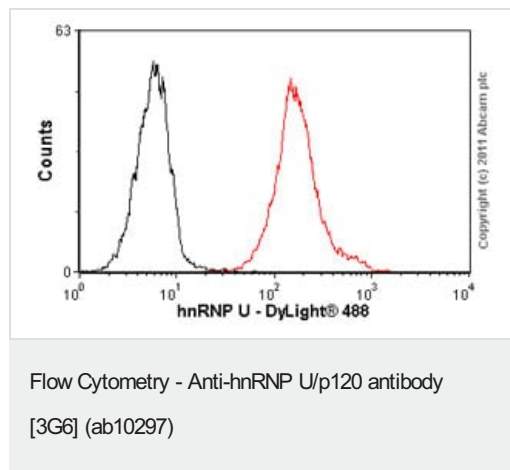
**Additional bands at:** 60 kDa, 80 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 1 minute

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

ab10297 (4 µg/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% H<sub>2</sub>O<sub>2</sub> 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.



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 µg/1x10<sup>6</sup> cells) for 30 minutes at 22°C. The secondary antibody used was DyLight<sup>®</sup> 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**, 2µg/1x10<sup>6</sup> 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.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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