


### Anti-hnRNP U/p120 antibody ab20666

★★★★★ [3 Abreviews](#) [19 References](#) [画像数 4](#)

#### 製品の概要

|          |   |
|----------|---|
| 製品名      | Anti-hnRNP U/p120 antibody  |
| 製品の詳細    | Rabbit polyclonal to hnRNP U/p120   |
| 由来種      | Rabbit  |
| 特異性      | From Jan 2024, QC testing of replenishment batches of this polyclonal changed. All tested and expected application and reactive species combinations are still covered by our Abcam product promise. However, we no longer test all applications. For more information on a specific batch, please contact our Scientific Support who will be happy to help. You may also be interested in our alternative recombinant antibody, <a href="#">ab172608</a> .   |
| アプリケーション | 適用あり: ICC/IF, WB  |
| 種交差性     | 交差種: Human<br>交差が予測される動物種: Mouse, Rat    |
| 免疫原      | Synthetic peptide corresponding to Human hnRNP U/p120 aa 800 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin.<br>(Peptide available as <a href="#">ab21993</a> )  |
| 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&amp;As</p> |

#### 製品の特性

|       |  |
|-------|--|
| 製品の状態 | Liquid   |
| 保存方法  | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| バッファー | pH: 7.40<br>Preservative: 0.02% Sodium azide<br>Constituent: PBS   |

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising

agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

|        |                             |
|--------|-----------------------------|
| 精製度    | 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ab20666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  |
|----------|-----------|---|
| ICC/IF   |           | Use a concentration of 1 µg/ml.   |
| WB       | ★★★★★ (2) | Use a concentration of 1 µg/ml. Detects a band of approximately 117 kDa (predicted molecular weight: 90 kDa). |

## 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.<br>Contains 1 SAP domain.  |
| 翻訳後修飾 | Extensively phosphorylated.<br>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

460kDa —  
268kDa —  
238kDa —  
  
171kDa —  
117kDa —  
  
71kDa —  
55kDa —  
41kDa —  
31kDa —

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Western blot - Anti-hnRNP U/p120 antibody  
(ab20666)

Anti-hnRNP U/p120 antibody (ab20666) at 1 µg/ml + HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate ([ab27252](#)) at 20 µg

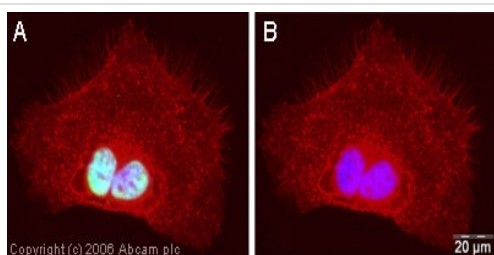
### Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab7090](#)) at 1/10000 dilution

Performed under reducing conditions.

**Predicted band size:** 90 kDa

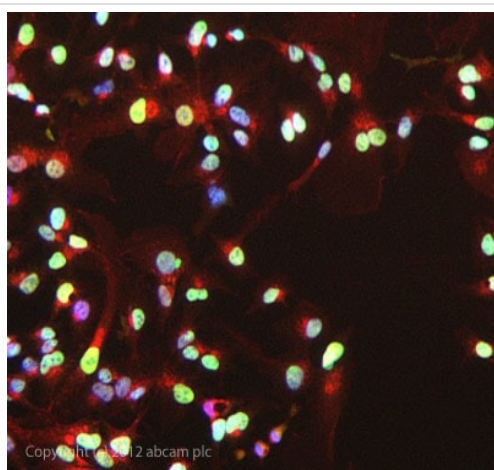
**Observed band size:** 117 kDa



Immunocytochemistry/ Immunofluorescence - Anti-hnRNP U/p120 antibody (ab20666)

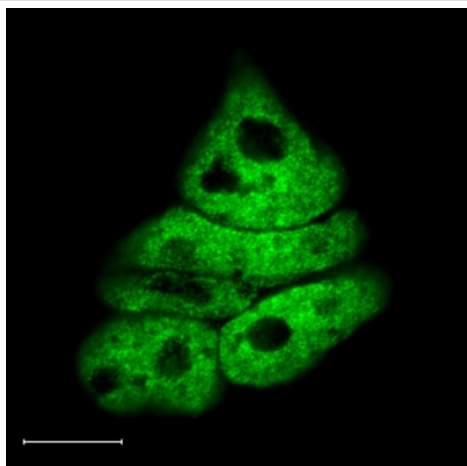
ICC/IF image of ab20666 stained human HeLa cells. The cells were methanol fixed (5 min) and incubated with the antibody (ab20666, 1 µg/ml) for 1h at room temperature. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Image-iT™ FX Signal Enhancer was used as the primary blocking agent, 5% BSA (in TBS-T) was used for all other blocking steps. DAPI was used to stain the cell nuclei (blue). Alexa Fluor® 594 WGA was used to label plasma membranes (red).

Panel A shows localisation of ab20666 to the nuclei, Panel B has the Alexa Fluor® 488 channel removed for comparison.



Immunocytochemistry/ Immunofluorescence - Anti-hnRNP U/p120 antibody (ab20666)

ab20666 stained HepG2 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 ab20666 at 1 µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti-rabbit ([ab96899](#)) 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 1.43 µM.



Immunofluorescence analysis of murine embryonic stem cells, staining hnRNP U/p120 with ab20666.

Cells were fixed with paraformaldehyde, permeabilized with 0.25% Triton X-100 and blocked in 0.1% Triton X-100/10% FCS for 20 min. Samples were incubated with primary antibody (1/500) for 2 hours before incubating with an AlexaFluor®488-conjugated goat anti-rabbit IgG (1/500) for 1 hour.

Immunocytochemistry/ Immunofluorescence - Anti-hnRNP U/p120 antibody (ab20666)

Image from Vizlin-Hodzic D et al., PLoS One. 2011;6(12):e28049. Epub 2011 Dec 6. Fig 1.; doi:10.1371/journal.pone.0028049; December 6, 2011, PLoS ONE 6(12): e28049.

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