


Anti-hnRNP U/p120 antibody ab20666

★★★★★ [3 Abreviews](#) [19 References](#) [4 Images](#)

Overview

Product name	Anti-hnRNP U/p120 antibody
Description	Rabbit polyclonal to hnRNP U/p120
Host species	Rabbit
Specificity	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, ab172608 .
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide corresponding to Human hnRNP U/p120 aa 800 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as ab21993)
General notes	<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>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: PBS</p>

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.

Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

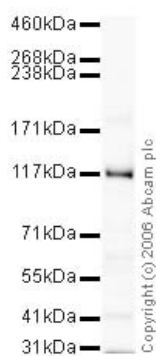
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab20666 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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).

Target

Function	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.
Sequence similarities	Contains 1 B30.2/SPRY domain. Contains 1 SAP domain.
Post-translational modifications	Extensively phosphorylated. Arg-733 and Arg-739 are dimethylated, probably to asymmetric dimethylarginine.
Cellular localization	Nucleus. Cytoplasm. Cell surface. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Component of ribonucleosomes. Also found associated with the cell surface.

Images



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

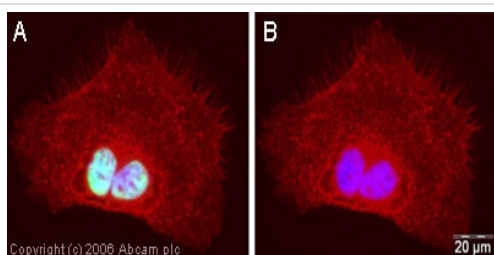
Secondary

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

Performed under reducing conditions.

Predicted band size: 90 kDa

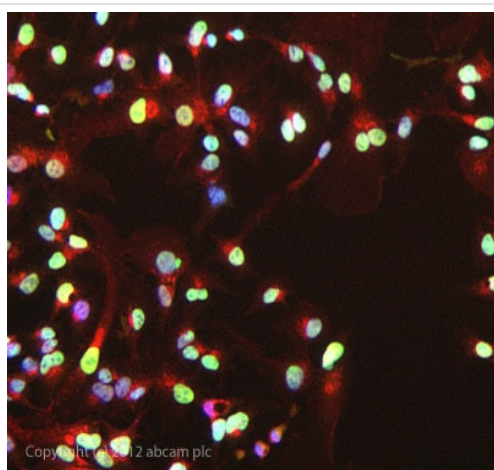
Observed band size: 117 kDa



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

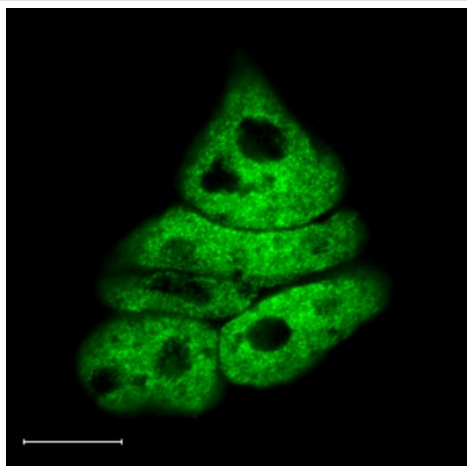
ICC/IF image of ab20666 stained human HeLa cells. The cells were methanol fixed (5 min) and incubated with the antibody (ab20666, 1 µg/ml) for 1h at room temperature. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Image-iT™ FX Signal Enhancer 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.

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

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