


Product datasheet

Anti-hnRNP R antibody ab151251

KO VALIDATED

3 Images

Overview

Product name	Anti-hnRNP R antibody
Description	Rabbit polyclonal to hnRNP R
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Chicken, Cow 
Immunogen	Recombinant fragment corresponding to a region within amino acids 1 and 187 of Human hnRNP R (Uniprot ID: O43390)
Positive control	WB: Wild-type HEK-293T, MOLT-4, Caco-2, 293T, A431 and HeLa cell lysates.
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. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 78.99% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab151251 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
WB		1/500 - 1/3000. Predicted molecular weight: 71 kDa.

Target

Function

Component of ribonucleosomes, which are complexes of at least 20 other different heterogenous nuclear ribonucleoproteins (hnRNP). hnRNP play an important role in processing of precursor mRNA in the nucleus.

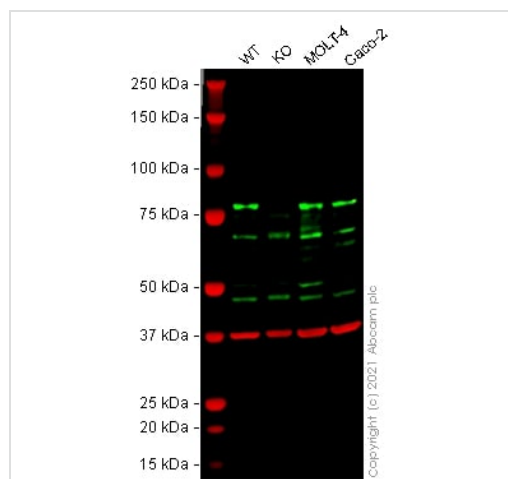
Sequence similarities

Contains 3 RRM (RNA recognition motif) domains.

Cellular localization

Nucleus > nucleoplasm. Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

Images



Western blot - Anti-hnRNP R antibody (ab151251)

All lanes : Anti-hnRNP R antibody (ab151251) at 1/500 dilution

Lane 1 : Wild-type HEK-293T cell lysate

Lane 2 : HNRNPR knockout HEK-293T cell lysate

Lane 3 : MOLT-4 cell lysate

Lane 4 : Caco-2 cell lysate

Lysates/proteins at 20 µg per lane.

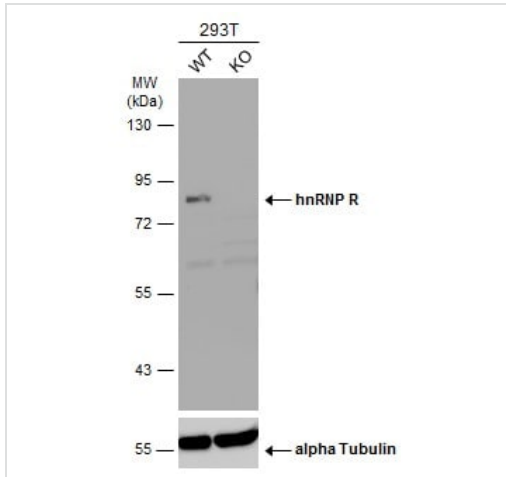
Performed under reducing conditions.

Predicted band size: 71 kDa

Observed band size: 78 kDa

False colour image of Western blot: Anti-hnRNP R antibody staining at 1/500 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] ([ab8245](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab151251 was shown to bind specifically to hnRNP R. A band was observed at 78 kDa in wild-type HEK-293T cell lysates with no signal observed at this size in HNRNPR knockout cell line [ab266723](#) (knockout cell lysate [ab257992](#)). To generate this image, wild-type and HNRNPR knockout HEK-293T

cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween[®] 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye[®] 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye[®] 680RD) preabsorbed (**ab216776**) at 1/20000 dilution.



Western blot - Anti-hnRNP R antibody - N-terminal (ab151251)

All lanes : Anti-hnRNP R antibody (ab151251) at 1/5000 dilution

Lane 1 : WT 293T cell extracts

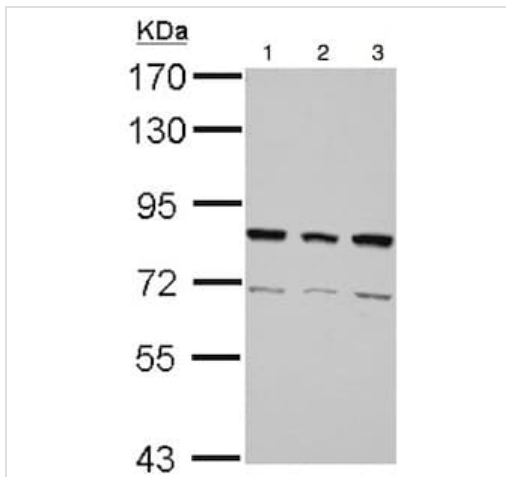
Lane 2 : hnRNP R Knockout 293T cell extracts

Lysates/proteins at 30 µg per lane.

Secondary

All lanes : HRP-conjugated anti-rabbit IgG

Predicted band size: 71 kDa



Western blot - Anti-hnRNP R antibody (ab151251)

All lanes : Anti-hnRNP R antibody (ab151251) at 1/3000 dilution

Lane 1 : 293T cell whole lysate

Lane 2 : A431 cell whole lysate

Lane 3 : HeLa cell whole lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 71 kDa

7.5% SDS PAGE

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