

# Anti-RNA Helicase A antibody ab26271

★★★★★ [9 Abreviews](#) [48 References](#) [3 图像](#)

### 概述

产品名称	Anti-RNA Helicase A抗体
描述	兔多克隆抗体to RNA Helicase A
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Human 预测可用于: Cow, Monkey, African green monkey 
免疫原	Synthetic peptide corresponding to Human RNA Helicase A aa 100-200 conjugated to Keyhole Limpet Haemocyanin (KLH). Database link: <a href="#">Q08211</a> (Peptide available as <a href="#">ab27786</a> )
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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
纯度	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. Immunogen affinity purified

克隆 多克隆  
同种型 IgG

## 应用

**The Abpromise guarantee** **Abpromise™**承诺保证使用ab26271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	★★★★★ (5)	Use a concentration of 1 µg/ml. Detects a band of approximately 141,149 kDa (predicted molecular weight: 141 kDa). This antibody detects a band at 141 kDa in human cell lysates and 149 kDa in mouse cell lysates.

## 靶标

**功能** Unwinds double-stranded DNA and RNA in a 3' to 5' direction. Alteration of secondary structure may subsequently influence interactions with proteins or other nucleic acids. Functions as a transcriptional activator. Component of the CRD-mediated complex that promotes MYC mRNA stability.

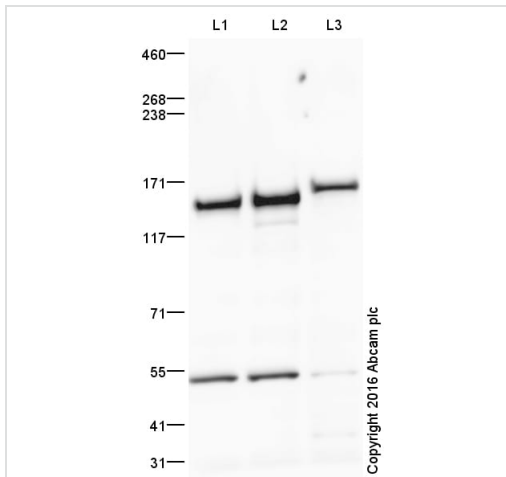
**序列相似性** Belongs to the DEAD box helicase family. DEAH subfamily.  
Contains 2 DRBM (double-stranded RNA-binding) domains.  
Contains 1 helicase ATP-binding domain.  
Contains 1 helicase C-terminal domain.

**结构域** The MTAD domain mediates interaction with the RNA polymerase II holoenzyme. The NTD domain is necessary and sufficient for nucleo-cytoplasmic shuttling and interaction with HRMT1L2 and SMN1.

**翻译后修饰** Methylated. HRMT1L2 mediated methylation of undefined Arg residues in the NTD is required for nuclear localization.  
May be phosphorylated by PRKDC/XRCC7. Phosphorylated upon DNA damage, probably by ATM or ATR.

**细胞定位** Nucleus > nucleolus. Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Can shuttle between nucleus and cytoplasm.

## 图片



Western blot - Anti-RNA Helicase A antibody (ab26271)

**All lanes** : Anti-RNA Helicase A antibody (ab26271) at 1 µg/ml

**Lane 1** : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

**Lane 2** : HEK293 (Human) Whole Cell Lysate

**Lane 3** : NIH 3T3 (Mouse) Whole Cell Lysate

Lysates/proteins at 20 µg per lane.

#### Secondary

**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed at 1/50000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

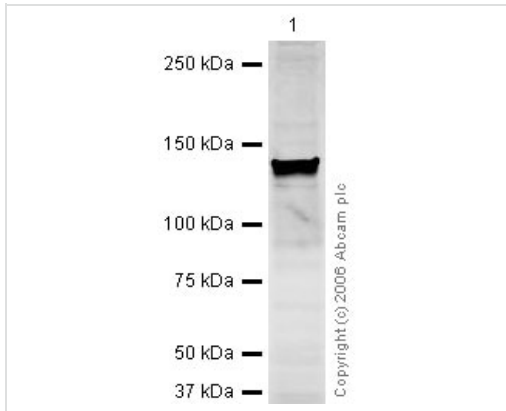
**Predicted band size:** 141 kDa

**Observed band size:** 141,149 kDa

**Additional bands at:** 50 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 4 minutes

This blot was produced using a 3-8% Tris Acetate gel under the TA buffer system. The gel was run at 150V for 60 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab26271 overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP, and visualised using ECL development solution **ab133406**.



Western blot - Anti-RNA Helicase A antibody  
(ab26271)

Anti-RNA Helicase A antibody (ab26271) at 1 µg/ml + HeLa  
(Human epithelial carcinoma cell line) Whole Cell Lysate at 20 µg

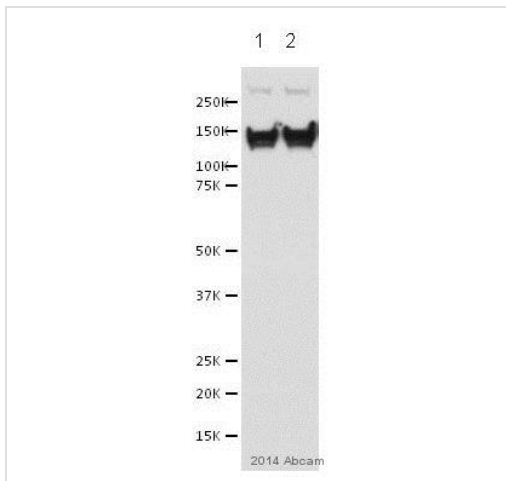
**Secondary**

Goat polyclonal to Rabbit IgG (Alexa Fluor® 680) at 1/10000 dilution

Performed under reducing conditions.

**Predicted band size:** 141 kDa

**Observed band size:** 141 kDa



Western blot - Anti-RNA Helicase A antibody  
(ab26271)

This image is courtesy of an Abreview submitted by Mr. Miguel Fidalgo.

**All lanes :** Anti-RNA Helicase A antibody (ab26271) at 1/1000 dilution

**All lanes :** Human embryonic stem cell nuclear lysate

Lysates/proteins at 50 µg per lane.

**Secondary**

**All lanes :** Donkey anti-Rabbit HRP IgG at 1/10000 dilution

Developed using the ECL technique.

**Predicted band size:** 141 kDa

**Exposure time:** 30 seconds

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

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