


## Product datasheet

# Anti-RNA Helicase A antibody [EPR13520(B)] - N-terminal ab180189

Recombinant RabMAb

[4 Images](#)

### Overview

<b>Product name</b>	Anti-RNA Helicase A antibody [EPR13520(B)] - N-terminal
<b>Description</b>	Rabbit monoclonal [EPR13520(B)] to RNA Helicase A - N-terminal
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra), WB, ICC/IF <b>Unsuitable for:</b> IHC-P or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Orangutan 
<b>Immunogen</b>	Synthetic peptide within Human RNA Helicase A aa 1-100 (Cysteine residue). The exact sequence is proprietary. Database link: <a href="#">Q08211</a>
<b>Positive control</b>	BxPC-3, Jurkat, HeLa and 293T cell lysates; 293T cells; Jurkat cells.
<b>General notes</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .  Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.20

Preservative: 0.01% Sodium azide  
Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

**Purity** Tissue culture supernatant  
**Clonality** Monoclonal  
**Clone number** EPR13520(B)  
**Isotype** IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab180189 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
Flow Cyt (Intra)		1/10 - 1/100. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/5000. Predicted molecular weight: 141 kDa.
ICC/IF		1/100 - 1/250.

**Application notes** Is unsuitable for IHC-P or IP.

## Target

**Function** 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.

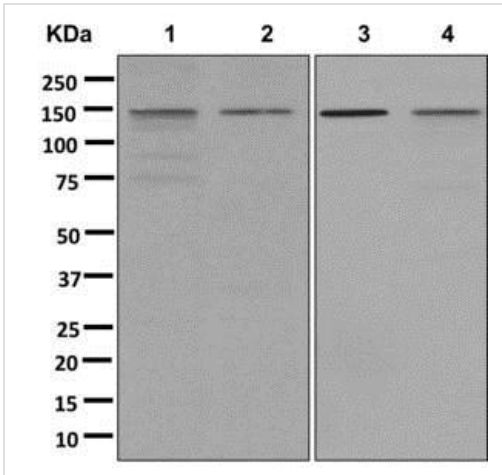
**Sequence similarities** Belongs to the DEAD box helicase family. DEAH subfamily. Contains 2 DRBM (double-stranded RNA-binding) domains. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain.

**Domain** 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.

**Post-translational modifications** 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.

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

## Images



Western blot - Anti-RNA Helicase A antibody [EPR13520(B)] - N-terminal (ab180189)

**All lanes** : Anti-RNA Helicase A antibody [EPR13520(B)] - N-terminal (ab180189) at 1/1000 dilution

**Lane 1** : BxPC-3 cell lysate

**Lane 2** : Jurkat cell lysate

**Lane 3** : HeLa cell lysate

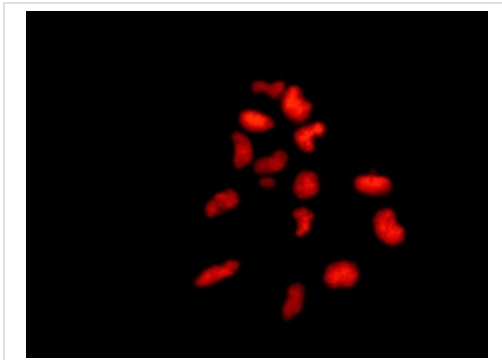
**Lane 4** : 293T (Human embryonic kidney epithelial cell) cell lysate

Lysates/proteins at 10 µg per lane.

#### Secondary

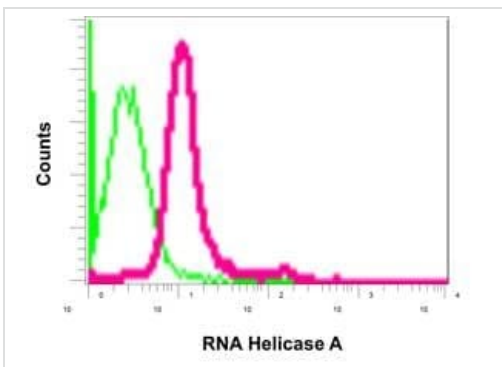
**All lanes** : HRP labeled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 141 kDa



Immunocytochemistry/ Immunofluorescence - Anti-RNA Helicase A antibody [EPR13520(B)] - N-terminal (ab180189)

Immunofluorescent analysis of 293T cells labeling RNA Helicase A with ab180189 at 1/100.



Flow Cytometry (Intracellular) - Anti-RNA Helicase A antibody [EPR13520(B)] - N-terminal (ab180189)

Intracellular flow cytometrical analysis of permeabilized Jurkat cells labeling RNA Helicase A with ab180189 at 1/10 (red) or a rabbit IgG negative (green).

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-RNA Helicase A antibody [EPR13520(B)] - N-terminal (ab180189)

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

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