



## Product datasheet

# Anti-Retinoblastoma binding protein 6 antibody ab237514

[4 Images](#)

### Overview

<b>Product name</b>	Anti-Retinoblastoma binding protein 6 antibody
<b>Description</b>	Rabbit polyclonal to Retinoblastoma binding protein 6
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	<p>Recombinant fragment corresponding to Human Retinoblastoma binding protein 6 aa 51-97. Sequence:</p> <p>AQTKEEYTDNALIPKNSSVIVRRIPIGGVKSTSKTYVISRTE PAMA</p> <p>Database link: <a href="#">Q7Z6E9</a></p> <p style="text-align: right;">  <a href="#">Run BLAST with</a>                 <a href="#">Run BLAST with</a> </p>
<b>Positive control</b>	WB: Mouse brain tissue lysate. IHC-P: Human cervical cancer and testis tissue. ICC/IF: HeLa cells.
<b>General notes</b>	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications &amp; species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications &amp; species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications &amp; species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications &amp; species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team</p>

ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

## Properties

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<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: 7.40 Constituents: 50% Glycerol (glycerin, glycerine), PBS, 0.03% Proclin 300
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Purity greater than 95%.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab237514** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

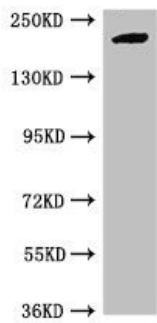
Application	Abreviews	Notes
WB		1/500 - 1/5000. Predicted molecular weight: 202 kDa.
IHC-P		1/20 - 1/200.
ICC/IF		1/50 - 1/200.

## Target

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<b>Function</b>	E3 ubiquitin-protein ligase which promotes ubiquitination of YBX1, leading to its degradation by the proteasome. May play a role as a scaffold protein to promote the assembly of the p53/TP53-MDM2 complex, resulting in increase of MDM2-mediated ubiquitination and degradation of p53/TP53; may function as negative regulator of p53/TP53, leading to both apoptosis and cell growth.
<b>Tissue specificity</b>	Highly expressed in the placenta and testis. Expressed at lower levels in the brain, heart, kidney, liver and lung. Overexpressed in esophageal cancer.
<b>Pathway</b>	Protein modification; protein ubiquitination.
<b>Sequence similarities</b>	Contains 1 CCHC-type zinc finger. Contains 1 DWNN domain. Contains 1 RING-type zinc finger.
<b>Post-translational modifications</b>	Phosphorylated upon DNA damage, probably by ATM or ATR. Phosphorylated by NEK6.
<b>Cellular localization</b>	Nucleus > nucleolus. Chromosome. Cytoplasm > cytoskeleton > centrosome. Colocalizes with

## Images



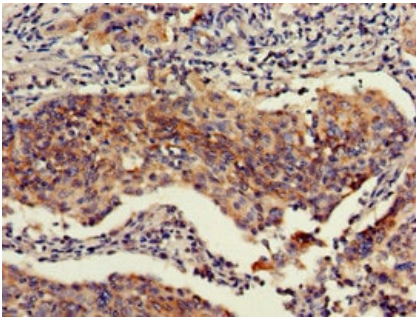
Western blot - Anti-Retinoblastoma binding protein 6 antibody (ab237514)

Anti-Retinoblastoma binding protein 6 antibody (ab237514) at 1/500 dilution + Mouse brain tissue lysate

### Secondary

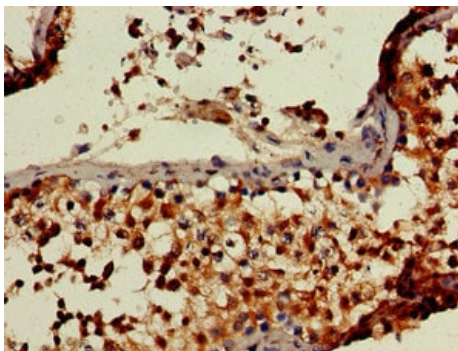
Goat polyclonal to rabbit IgG at 1/50000 dilution

**Predicted band size:** 202 kDa



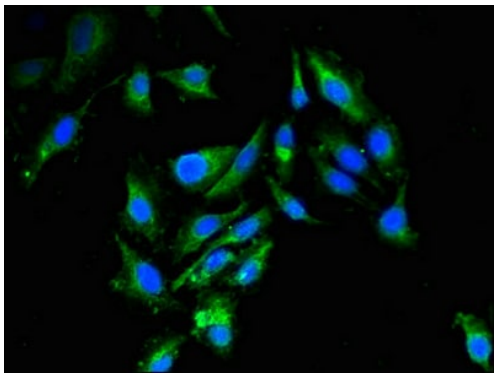
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Retinoblastoma binding protein 6 antibody (ab237514)

Paraffin-embedded human cervical cancer tissue stained for Retinoblastoma binding protein 6 using ab237514 at 1/100 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Retinoblastoma binding protein 6 antibody (ab237514)

Paraffin-embedded human testis tissue stained for Retinoblastoma binding protein 6 using ab237514 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence - Anti-Retinoblastoma binding protein 6 antibody (ab237514)

HeLa (Human epithelial cell line from cervix adenocarcinoma) cells stained for Retinoblastoma binding protein 6 (green) using ab237514 at 1/100 dilution in ICC/IF. Secondary antibody is an Alexa Fluor® 488-conjugated Goat Anti-Rabbit IgG (H+L).

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

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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### **Terms and conditions**

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