

## Datasheet: AHP2737

<b>Description:</b>	RABBIT ANTI APOBEC3B
<b>Specificity:</b>	APOBEC3B
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µl

### Product Details

#### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/200 - 1/1000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**Target Species** Human

**Product Form** Purified IgG - liquid

**Antiserum Preparation** Antiserum to APOBEC3B was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

**Buffer Solution** Phosphate buffered saline

**Preservative** 0.02% Sodium Azide  
**Stabilisers** 50% Glycerol

**Immunogen** Recombinant fusion protein containing a sequence corresponding to amino acids 1-180 of human APOBEC3B

#### External Database Links

**UniProt:**  
[Q9UH17](#)    [Related reagents](#)

**Entrez Gene:**

---

<b>Specificity</b>	<b>Rabbit anti APOBEC3B antibody</b> recognizes DNA dC->dU-editing enzyme APOBEC3B, also known as phorbolin-1-related protein and phorbolin-2/3. It is a member of the APOBEC (apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like) family of cytidine deaminases ( <a href="#">Kuong and Loeb 2013</a> ). APOBEC family members function as a part of the innate immune system inhibiting retroviruses by deamination of cytosine in nascent retroviral cDNA ( <a href="#">Harris and Liddament 2004</a> ). APOBEC3 proteins are divided into two groups: APOBEC3A, APOBEC3C, and APOBEC3H that contain one zinc-dependent cytidine deaminase domain and APOBEC3B, APOBEC3D, APOBEC3F, and APOBEC3G that contain two zinc-dependent cytidine deaminase domains ( <a href="#">LaRue et al. 2008</a> ). APOBEC3B is overexpressed in a wide spectrum of human cancers ( <a href="#">Zou et al. 2017</a> ).
<b>Western Blotting</b>	Rabbit anti APOBEC3B antibody detects a band of approximately 46 kDa in HeLa, U251 and MCF7 cell lysates under reducing conditions
<b>Storage</b>	Store at -20°C Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10049 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP2737">https://www.bio-rad-antibodies.com/SDS/AHP2737</a> 10049
<b>Regulatory</b>	For research purposes only

---

## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
----------------------------------	---	------------------	---	---------------	---

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

'M416516:230302'

Printed on 12 Aug 2023