

## 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.

<b>Target Species</b>	Human
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<b>Product Form</b>	Purified IgG - liquid
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**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.

<b>Buffer Solution</b>	Phosphate buffered saline
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<b>Preservative</b>	0.02% Sodium Azide
<b>Stabilisers</b>	50% Glycerol

<b>Immunogen</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 1-180 of human APOBEC3B
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### External Database Links

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

**Entrez Gene:**

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<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: 10049: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10049.pdf</a>
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
- Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
- Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)
- Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
- Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

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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)  
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