

## Product datasheet

# Anti-PDE3B antibody ab42091

[3 References](#) [1 Image](#)

### Overview

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<b>Product name</b>	Anti-PDE3B antibody
<b>Description</b>	Goat polyclonal to PDE3B
<b>Host species</b>	Goat
<b>Specificity</b>	Does not cross react with PDE4A variants nor with any other PDEs.
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Recombinant fragment
<b>Immunogen</b>	Synthetic peptide within Human PDE3B aa 1050 to the C-terminus. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <b><a href="#">contact</a></b> our Scientific Support team to discuss your requirements. Selective for only PDE3B variant. Database link: <b><a href="#">Q13370</a></b>
<b>Positive control</b>	WB: Human PDE3B protein
<b>General notes</b>	<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>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at 4°C (up to 6 months). Store at -20°C.
<b>Storage buffer</b>	Antibody stabilization buffer, with preservatives, consisting of Hepes, NaCl, KCl, glycerol, BSA and chaotropic agents.
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab42091 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. Detects a band of approximately 145 kDa (predicted molecular weight: 145 kDa).

## Target

### Function

Cyclic nucleotide phosphodiesterase with a dual-specificity for the second messengers cAMP and cGMP, which are key regulators of many important physiological processes. May play a role in fat metabolism.

### Tissue specificity

Abundant in adipose tissues.

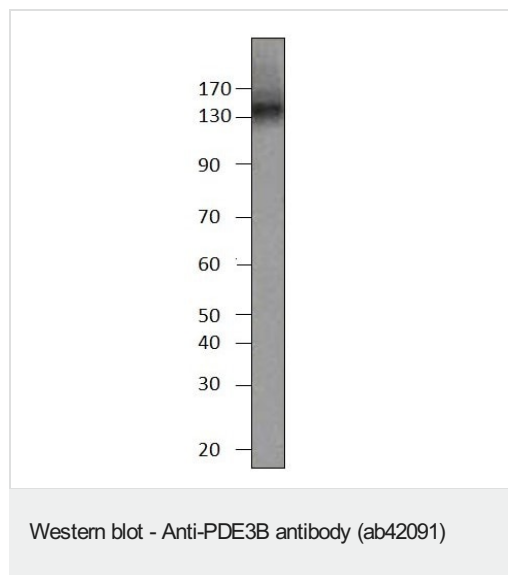
### Sequence similarities

Belongs to the cyclic nucleotide phosphodiesterase family. PDE3 subfamily.

### Cellular localization

Membrane.

## Images



Anti-PDE3B antibody (ab42091) at 1/500 dilution + Human PDE3B protein

**Predicted band size:** 145 kDa

**Observed band size:** 145 kDa

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

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish

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

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

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- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors