




## Product datasheet

# Anti-proBNP antibody [C1] ab239514

[1 References](#) [2 Images](#)

### Overview

---

<b>Product name</b>	Anti-proBNP antibody [C1]
<b>Description</b>	Mouse monoclonal [C1] to proBNP
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human, Pig <b>Predicted to work with:</b> Mouse 
<b>Immunogen</b>	Synthetic peptide corresponding to Mouse proBNP aa 1-100 conjugated to ovalbumin. Database link: <a href="#">P40753-1</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	WB: Human serum. Pig and rat heart tissue lysate.
<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

---

<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 Preservative: 0.02% Sodium azide Constituents: 44.12% PBS, 55.77% Glycerol (glycerin, glycerine)
<b>Purity</b>	Protein A/G purified
<b>Purification notes</b>	Purified from TCS.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	C1

<b>Isotype</b>	IgG2a
<b>Light chain type</b>	kappa

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab239514 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		Use a concentration of 0.5 - 2 µg/ml.

## Target

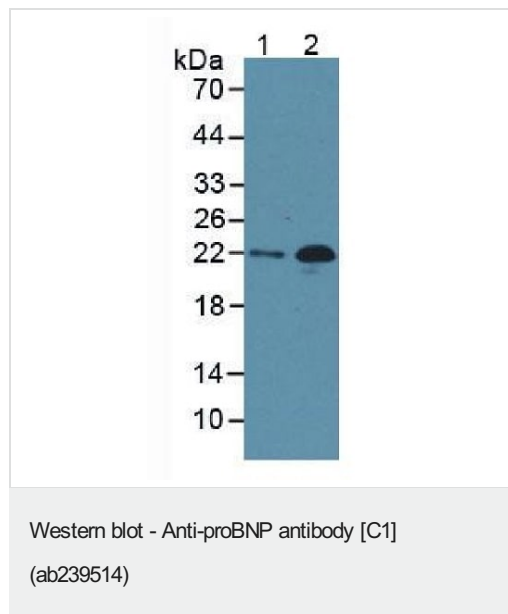
**Function** Cardiac hormone which may function as a paracrine antifibrotic factor in the heart. Also plays a key role in cardiovascular homeostasis through natriuresis, diuresis, vasorelaxation, and inhibition of renin and aldosterone secretion. Specifically binds and stimulates the cGMP production of the NPR1 receptor. Binds the clearance receptor NPR3.

**Tissue specificity** Brain and also in atria, but at much lower levels than ANP.

**Sequence similarities** Belongs to the natriuretic peptide family.

**Cellular localization** Secreted.

## Images



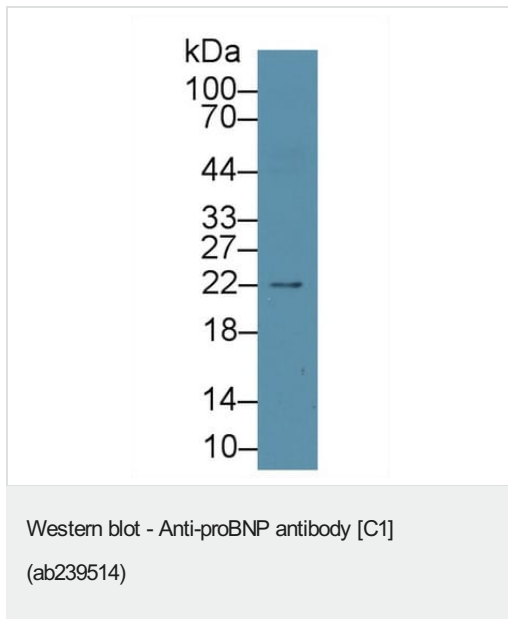
**All lanes** : Anti-proBNP antibody [C1] (ab239514) at 3 µg/ml

**Lane 1** : Human serum

**Lane 2** : Rat heart tissue lysate

**Secondary**

**All lanes** : HRP-Rabbit Anti-Mouse IgG at 1/5000 dilution



Anti-proBNP antibody [C1] (ab239514) at 3 µg/ml + Pig heart lysate

**Secondary**

HRP-Goat Anti-Mouse IgG at 0.2 µg/ml

**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**

---

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