

## Product datasheet

### Anti-proBNP antibody [C11] ab239519

[4 Images](#)

#### Overview

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<b>Product name</b>	Anti-proBNP antibody [C11]
<b>Description</b>	Mouse monoclonal [C11] to proBNP
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P <b>Unsuitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human proBNP aa 100 to the C-terminus conjugated to ovalbumin. Database link: <a href="#">P16860</a> <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	IHC-P: Human liver, stomach, glioma and lung cancer tissue.
<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 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>	C11

<b>Isotype</b>	IgG2b
<b>Light chain type</b>	lambda

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab239519 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
IHC-P		Use a concentration of 5 - 30 µg/ml.

**Application notes** Is unsuitable for WB.

## Target

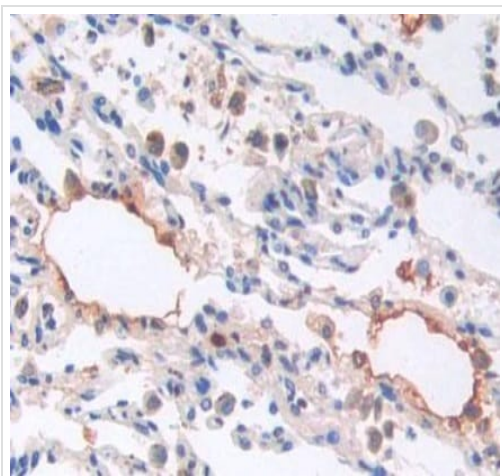
**Function** Cardiac hormone which may function as a paracrine antifibrotic factor in the heart. Also plays a key role in cardiovascular homeostasis through natriuresis, diuresis, vasorelaxation, and inhibition of renin and aldosterone secretion. Specifically binds and stimulates the cGMP production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

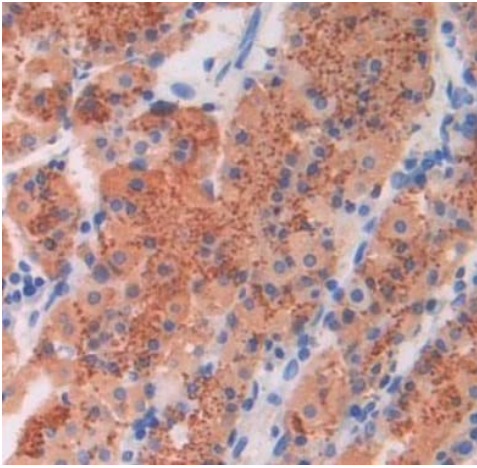
**Cellular localization** Secreted.

## Images



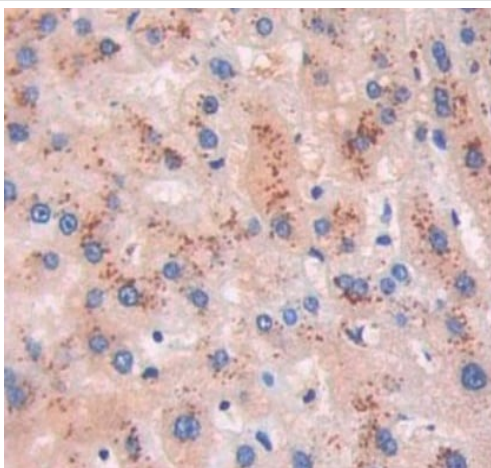
Formalin-fixed, paraffin-embedded human lung cancer tissue stained for proBNP with ab239519 at 30 µg/ml in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-proBNP antibody [C11] (ab239519)



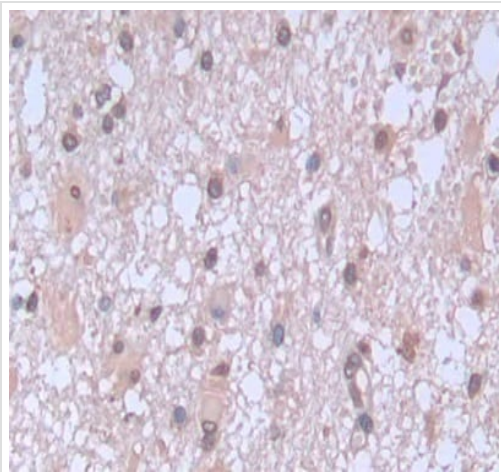
Formalin-fixed, paraffin-embedded human stomach tissue stained for proBNP with ab239519 at 30  $\mu\text{g/ml}$  in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-proBNP antibody [C11] (ab239519)



Formalin-fixed, paraffin-embedded human liver tissue stained for proBNP with ab239519 at 30  $\mu\text{g/ml}$  in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-proBNP antibody [C11] (ab239519)



Formalin-fixed, paraffin-embedded human glioma tissue stained for proBNP with ab239519 at 30 µg/ml in immunohistochemical analysis. DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-proBNP antibody [C11] (ab239519)

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

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