

Product datasheet

Anti-proBNP antibody [5B6] ab13111

3 References 2 Images

Overview

<b>Product name</b>	Anti-proBNP antibody [5B6]
<b>Description</b>	Mouse monoclonal [5B6] to proBNP
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> ELISA, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Recombinant fragment
<b>Immunogen</b>	Synthetic peptide: HPLGSPGSASDL , corresponding to amino acids 1 - 12 of Human proBNP. <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>

**General notes** This product has switched from ascites to TCS on 10th June 2020.

Immunoglobulin concentrations vary from batch to batch (generally 4-6 mg/ml for this clone). Please contact technical services for the latest information.

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.

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&As

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.1% Sodium azide
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	5B6

Isotype

IgG1

## Applications

### The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab13111 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
ELISA		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 13 kDa.

## 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.

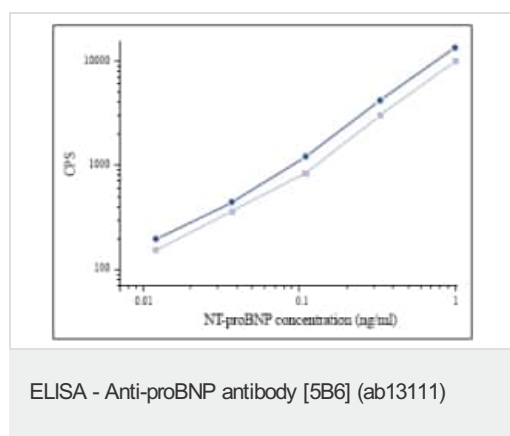
### Sequence similarities

Belongs to the natriuretic peptide family.

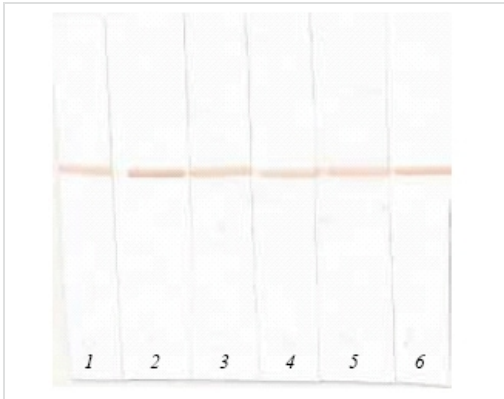
### Cellular localization

Secreted.

## Images



NT-proBNP calibration curves using pairs [ab14703](#) [10H4] and [ab13111](#) [5B6] (grey), and [ab13115](#) [15F11] and [ab13111](#) [5B6] (black), (capture: 2 µg/well, detection: Eu-labeled 5B6; 200 ng/well). Antigen was recombinant NT-proBNP. Incubated 1 hr at room temperature



Western blot - Anti-proBNP antibody [5B6]  
(ab13111)

WB detecting proBNP showing comparable detection from a range of antibodies available. Lane 1 - ab13111 [5B6], lane 2 - ab13115 [15F11], lane 3 - ab13059 [11D1], lane 4 - ab13124 [15D7], lane 5 - ab13122 [13C1], lane 6 ab13123 [24E11]. WB detecting proBNP showing comparable detection from a range of antibodies available. Lane 1 - ab13111 [5B6], lane 2 - ab13115 [15F11], lane 3 - ab13059 [11D1], lane 4 - ab13124 [15D7], lane 5 - ab13122 [13C1], lane 6 ab13123 [24E11].

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

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- 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
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