

## Product datasheet

# Anti-Natriuretic peptides A antibody [M622709] ab2093

★★★★★ [2 Abreviews](#) [2 References](#)

### Overview

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<b>Product name</b>	Anti-Natriuretic peptides A antibody [M622709]
<b>Description</b>	Mouse monoclonal [M622709] to Natriuretic peptides A
<b>Host species</b>	Mouse
<b>Specificity</b>	Affinity Constant: $2.2 \times 10^{10}$ L/M
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, Flow Cyt, RIA
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human Natriuretic peptides A conjugated to bovine serum albumin. Database link: <a href="#">P01160</a>

### General notes

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

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated 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>	M622709
<b>Isotype</b>	IgG1

### Applications

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## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab2093 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	★★★★★ (2)	Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. PubMed: 20080656 <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
RIA		Use at an assay dependent concentration.

## Target

<b>Function</b>	Hormone playing a key role in cardiovascular homeostasis through regulation of natriuresis, diuresis, and vasodilation. Also plays a role in female pregnancy by promoting trophoblast invasion and spiral artery remodeling in uterus. Specifically binds and stimulates the cGMP production of the NPR1 receptor. Binds the clearance receptor NPR3.
<b>Involvement in disease</b>	Atrial standstill 2 Atrial fibrillation, familial, 6
<b>Sequence similarities</b>	Belongs to the natriuretic peptide family.
<b>Post-translational modifications</b>	Cleaved by CORIN upon secretion to produce the functional hormone. Atrial natriuretic factor: Cleaved by MME. The cleavage initiates degradation of the factor and thereby regulate its activity.
<b>Cellular localization</b>	Secreted.

**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

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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