abcam

Product datasheet

Anti-Natriuretic peptides A antibody [M622709] ab2093

★★★★★ 2 Abreviews 2 References

Overview

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

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.1% Sodium azide
Purity	Protein A purified
Clonality	Monoclonal
Clone number	M622709
Isotype	IgG1

Applications

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 **ab170190** - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
RIA		Use at an assay dependent concentration.

Target

Function 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.

Involvement in disease Atrial standstill 2
Atrial fibrillation, familial, 6

Sequence similarities Belongs to the natriuretic peptide family.

Post-translational modifications 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.

Cellular localization Secreted.

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