




Product datasheet

Anti-proANP antibody ab14443

Overview

Product name	Anti-proANP antibody
Description	Mouse monoclonal to proANP
Host species	Mouse
Specificity	ab14443 recognizes synthetic human proANP.
Tested applications	Suitable for: ELISA
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Sheep, Rabbit, Horse, Guinea pig, Cow, Cat, Dog, Pig, Chimpanzee, Macaque monkey, Gorilla 
Immunogen	Synthetic peptide corresponding to Human proANP aa 37-50. Poly Lysin conjugated synthetic peptide. Sequence: LMDFKNLLDHLEEK(C) Database link: P01160  Run BLAST with  Run BLAST with
Positive control	Recombinant Human Natriuretic peptides A protein (ab114317) can be used as a positive control in WB.

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	pH: 7.40 Constituent: 0.79% Tris HCl
Purity	Protein G purified
Purification notes	Cell culture supernatant, Protein G purified.
Clonality	Monoclonal
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab14443** 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 dilution.

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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