

Product datasheet

Anti-BNP antibody [26E2] (HRP) ab14701

Overview

Product name	Anti-BNP antibody [26E2] (HRP)
Description	Mouse monoclonal [26E2] to BNP (HRP)
Conjugation	HRP
Tested applications	Suitable for: WB, Sandwich ELISA, ELISA
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide: SPKMQVQSGC FGRKMDRIS S SSGLGCKV LR RH, corresponding to the last 32 amino acids of the 134 aa preproBNP sequence that is listed in Swissprot Run BLAST with ExPASy Run BLAST with NCBI
General notes	Abcam is committed to meeting high standards of ethical manufacturing and as such, we will be discontinuing this product, which has been generated by the ascites method, within the next year. We are sorry for any inconvenience this may cause. If you would like help finding an alternative product, please do not hesitate to contact our scientific support team.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.05% Proclin Constituents: PBS, pH 7.4
Purity	Protein A purified
Clonality	Monoclonal
Clone number	26E2
Myeloma	Sp2/0
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab14701** 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
WB		Use at an assay dependent dilution.

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Sandwich ELISA		Use at an assay dependent dilution. Can be paired for Sandwich ELISA with Mouse monoclonal [50E1] to BNP (ab20984) . Detection
ELISA		Use at an assay dependent dilution. Can be paired for ELISA with Mouse monoclonal [50E1] to BNP (ab20984) .

Target

Relevance

Brain natriuretic peptide (BNP) circulates in blood as a peptide hormone with natriuretic, vasodilatory and renin inhibitory properties. BNP is secreted predominantly by the left ventricular myocytes in response to volume expansion and pressure overload. BNP belongs to a family of structurally similar peptide hormones, which includes atrial natriuretic peptide (ANP), BNP, C type natriuretic peptide (CNP) and urodilatin. These peptides are characterized by a common 17 amino acid ring structure with a disulfide bond between two cystein residues. This ring structure shows high homology between different natriuretic peptides (eleven of the 17 amino acid residues are homologous in the ring of each of the natriuretic peptides). BNP is a 32 amino acid peptide with disulfide bond between the cysteine residues Cys10 and Cys26. In earlier studies it has been demonstrated that BNP concentration in blood increases with the severity of congestive heart failure. Quantitative measurement of BNP in blood provides an objective indicator of congestive heart failure severity.

Cellular localization

Secreted

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