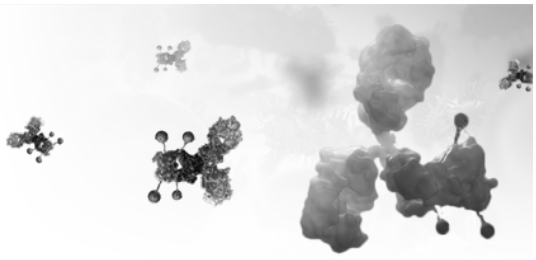

Anti-Pro-Brain Natriuretic Peptide polyclonal antibody (DPAB3230)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Pro-Brain Natriuretic Peptide (a.a. 32-57)
Specificity	Synthetic human pro-BNP (a.a. 32-57), There were no cross reactivities obtained with human pro-BNP (a.a. 8-29)
Immunogen	Synthetic human pro-BNP (a.a. 32-57) bTG conjugated
Source/Host	Goat
Species Reactivity	Human
Conjugate	Unconjugated
Applications	RIA
Format	serum
Concentration	20 µl / 100 µl (lyophilized) resuspend in 20 µl / 100 µl aqua bidest
Preservative	None
Storage	2°C-8°C (lyophilized); - 20°C (dissolved) Repeated thawing and freezing must be avoided

BACKGROUND

Introduction	Brain natriuretic peptide (BNP), now known as B-type natriuretic peptide (also BNP) or GC-B, is a 32 amino acid polypeptide secreted by the ventricles of the heart in response to excessive stretching of heart muscle cells (cardiomyocytes). BNP is named as such because it was originally identified in extracts of porcine brain, although in humans it is produced mainly in the

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	cardiac ventricles. BNP is co-secreted along with a 76 amino acid N-terminal fragment (NT-pro BNP) which is biologically inactive. BNP binds to and activates the atrial natriuretic factor receptors NPRA, and to a lesser extent NPRB, in a fashion similar to atrial natriuretic peptide (ANP) but with 10-fold lower affinity. The biological half-life of BNP, however, is twice as long as that of ANP, and that of NT-proBNP is even longer, making these peptides better targets than ANP for diagnostic blood testing.
Keywords	Pro-BNP; ANFB; NPPB; BNP 32; BNP; BNP(1-32); BNP(5-29); BNP-32; Brain Natriuretic Peptide 32; B-type natriuretic peptide; Brain type natriuretic peptide; Gamma brain natriuretic peptide; Gamma-brain natriuretic peptide; Natriuretic peptide precursor B; Na

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