

bs-7132R**[Primary Antibody]**

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BNP Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: ELISA (1:5000-10000)
Clonality: Polyclonal		Reactivity: (predicted: Pig, Sheep, Cow, Dog, Goat)
GeneID: 4879	SWISS: P16860	
Target: BNP		Predicted MW.: 3.5 kDa
Immunogen: KLH conjugated synthetic peptide derived from human BNP: 109-131/131.		Subcellular Location: Secreted
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Brain natriuretic peptide (BNP), also known as B-type natriuretic peptide, is a hormone secreted by cardiomyocytes in the heart ventricles in response to stretching caused by increased ventricular blood volume. The 32-amino acid polypeptide BNP is secreted attached to a 76-amino acid N-terminal fragment in the prohormone called NT-proBNP (BNPT), which is biologically inactive. Once released, BNP binds to and activates the atrial natriuretic factor receptor 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.		

— SELECTED CITATIONS —

- **[IF=1.92]** Liu, Chen, et al. "Pulmonary artery denervation improves pulmonary arterial hypertension induced right ventricular dysfunction by modulating the local renin-angiotensin-aldosterone system." BMC Cardiovascular Disorders 16.1 (2016): 192. WB ;="Dog". 27724864