## bs-7132R

## [ Primary Antibody ]

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# **BNP Rabbit pAb**

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DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

Target: BNP

**Immunogen:** KLH conjugated synthetic peptide derived from bovine BNP: 109-131/131.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

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 NTproBNP (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 halflife 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.

**Applications: ELISA** (1:5000-10000)

Reactivity: (predicted: Mouse, Rat, Pig,

Sheep, Cow, Dog, Goat)

Predicted 3.5 kDa MW.:

Subcellular Location: Secreted

### - 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