bs-2348R **[Primary Antibody]**

Natriuretic Peptide Receptor B Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 4882 **SWISS:** P20594

Target: Natriuretic Peptide Receptor B

Immunogen: KLH conjugated synthetic peptide derived from human NPR-B: 101-200/1047. < Extracellular >

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: NPR2 encodes natriuretic peptide receptor B, one of two integral membrane receptors for natriuretic peptides. Both NPR1 and NPR2 contain five functional domains: an extracellular ligand binding domain, a single membrane spanning region, and intracellularly a protein kinase homology domain), a helical hinge region involved in oligomerization, and a carboxyl terminal guanylyl cyclase catalytic domain. NPR2 is the primary receptor for C type natriuretic peptide (CNP), which upon ligand binding exhibits greatly increased guanylyl cyclase activity.

Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: Human, Mouse, Rat (predicted: Pig, Cow, Chicken, Horse)

Predicted MW.: 117 kDa

Subcellular Location: Cell membrane

SELECTED CITATIONS

- **[IF=2.43]** Li, Ping, et al. "CNP signal pathway up-regulated in rectum of depressed rats and the interventional effect of Xiaoyaosan." World Journal of Gastroenterology: WJG 21.5 (2015): 1518. WB ;="Rat". 25663771