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## Natriuretic Peptide Receptor B Rabbit pAb

Catalog Number: bs-2348R

Target Protein: Natriuretic Peptide Receptor B

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

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

Entrez Gene: 4882

Swiss Prot: P20594

Source: KLH conjugated synthetic peptide derived from human NPR-B: 101-200/1047.

Purification: affinity purified by Protein A

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.

### PRODUCT SPECIFIC PUBLICATIONS

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[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