

bs-11521R

## [ Primary Antibody ]

## NPY5R Rabbit pAb



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– DATASHEET

**Host:** Rabbit

**Isotype:** IgG

**Applications: WB** (1:500-2000)

**Clonality:** Polyclonal

**GeneID:** 4889

**SWISS:** Q15761

**Target:** NPY5R

**Immunogen:** KLH conjugated synthetic peptide derived from human NPY5R: 1-100/445.

**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.

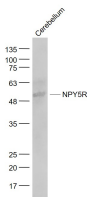
**Background:** Pancreatic polypeptide (PP), neuropeptide Y (NPY), and peptide YY (PYY) are related 36-amino acid hormones. A number of structurally related receptors for these peptides have been isolated, NPY1-R, NPY2-R, NPY3-R, NPY4-R, NPY5-R, and NPY6-R. NPY4-R is expressed in several human tissues, including brain, coronary artery, and ileum. NPY4-R maps to human chromosome 10q11.2. NPY5-R, isolated from rat hypothalamus, encodes a 456-amino acid protein with less than 35% overall identity to known Y-type receptors. The human NPY5-R sequence is nearly identical to, but in the opposite orientation from, that of the human NPY1-R sequence. NPY5-R localizes to the paraventricular hypothalamic nucleus, the lateral hypothalamus, and other locations consistent with a role in the control of feeding behavior. The gene which encodes NPY5-R maps to human chromosome 4q32.2. NPY6-R is abundantly expressed in human heart and skeletal muscle and the gene which encodes NPY6-R maps to human chromosome 5q31.

**Reactivity:** Human, Mouse  
(predicted: Rabbit, Cow,  
Dog, Horse)

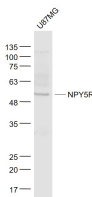
**Predicted MW.:** 51 kDa

**Subcellular Location:** Cell membrane

## — VALIDATION IMAGES



Sample: Cerebellum (Mouse) Lysate at 40 ug  
Primary: Anti- NPY5R (bs-11521R) at 1/1000  
dilution Secondary: IRDye800CW Goat Anti-  
Rabbit IgG at 1/20000 dilution Predicted band  
size: 51 kD Observed band size: 53 kD



Sample: U87MG(Human) Cell Lysate at 30 ug  
Primary: Anti- NPY5R (bs-11521R) at 1/1000  
dilution Secondary: IRDye800CW Goat Anti-  
Rabbit IgG at 1/20000 dilution Predicted band  
size: 51 kD Observed band size: 53 kD

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.