

## Anti-NPY2R Antibody (N-term)

Catalog Number: M04721

### About NPY2R

Receptor for neuropeptide Y and peptide YY. The rank order of affinity of this receptor for pancreatic polypeptides is PYY > NPY > PYY (3-36) > NPY (2-36) > [Ile-31, Gln-34] PP > [Leu- 31, Pro-34] NPY > PP, [Pro-34] PYY and NPY free acid.

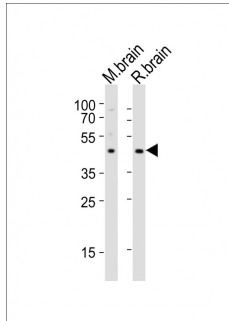
### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-NPY2R Antibody (N-term)   |
| Reactive Species     | Human, Mouse, Rat  |
| Description          | Boster Bio Anti-NPY2R Antibody (N-term) (Catalog # M04721). Tested in WB, IHC, Flow Cytometry application(s). This antibody reacts with Human, Mouse, Rat. |
| Application          | Flow Cytometry, IHC, WB  |
| Clonality            | Polyclonal   |
| Formulation          | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.  |
| Storage Instructions | Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.                   |
| Host                 | Rabbit   |
| Uniprot ID           | P49146   |

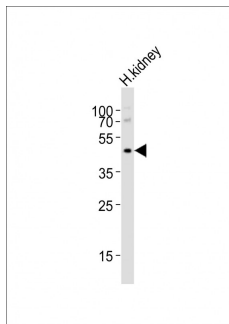
### Technical Details

|                            |   |
|----------------------------|---|
| Immunogen                  | This NPY2R antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 29-65 amino acids from the N-terminal region of human NPY2R. |
| Predicted Reactive Species | Bovine, Rabbit  |
| Isotype                    | Rabbit IgG  |
| Purification               | This antibody is purified through a protein A column, followed by peptide affinity purification.  |
| Suggested Dilutions        | WB: 1:1000<br>IHC: 1:25<br>FC: 1:25   |

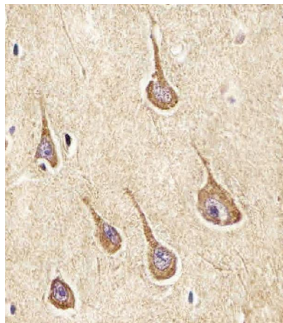
## Anti-NPY2R Antibody (N-term) (M04721) Images



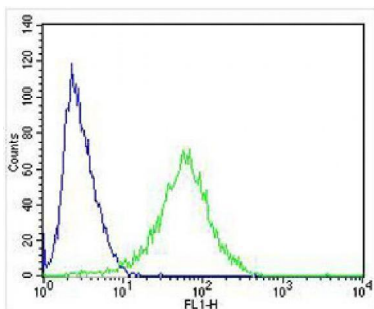
All lanes : Anti-NPY2R Antibody (N-term) at 1:2000 dilution  
Lane 1: mouse brain lysates  
Lane 2: rat brain lysates  
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution  
Predicted band size : 43 kDa  
Blocking/Dilution buffer: 5% NFDm/TBST.



Anti-NPY2R Antibody (N-term) at 1:1000 dilution + human kidney lysates  
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution  
Predicted band size : 43 kDa  
Blocking/Dilution buffer: 5% NFDm/TBST.



M04721 staining NPY2R in Human brain tissue sections by Immunohistochemistry (IHC-P -paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Overlay histogram showing SH-SY5Y cells stained with M04721 (green line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ( , 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) at 1/400 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1g/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.

Submit a product review to [Biocompare.com](https://www.biocompare.com)

Submit a review of this product to [Biocompare.com](https://www.biocompare.com) to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-NPY2R Antibody (N-term)

For Research Use Only. Not for use in diagnostic procedures.