BOSTER BIOLOGICAL TECHNOLOGY
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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.

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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

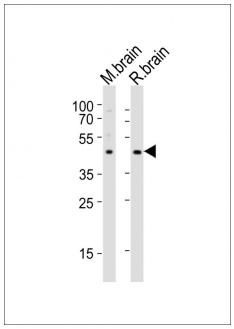
Immunogen	This NPY2R antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 29-65 amino acids from the N-terminal region of human NPY2R.
Predicted Reactive Species	Bovine, Rabbit
Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column,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

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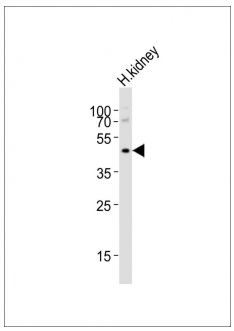
	IHC: 1:25 FC: 1:25

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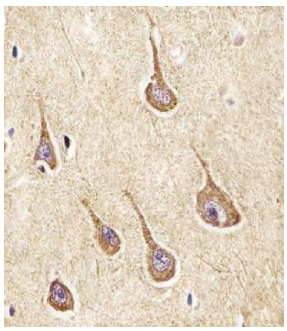
Anti-NPY2R Antibody (N-term) (M04721) Images



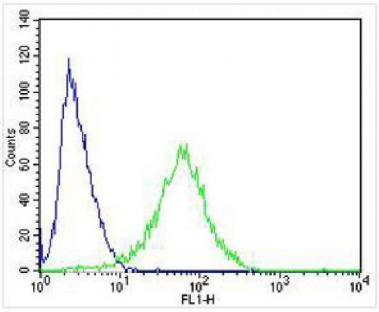
All lanes : Anti-NPY2R Antibody (N-term) at 1:2000 dilutionLane 1: mouse brain lysatesLane 2: rat brain lysatesLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 43 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



Anti-NPY2R Antibody (N-term) at 1:1000 dilution + human kidney lysatesLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 43 kDaBlocking/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 icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) at 1/400 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG1 (1g/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

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