

# Product Datasheet

## NPY5R Antibody NB100-1538

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

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**NB100-1538**

## NPY5R Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	51 kDa

Product Description	
Description	Novus Biologicals Goat NPY5R Antibody (NB100-1538) is a polyclonal antibody validated for use in IHC, WB, ELISA and IP. Anti-NPY5R Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	4889
Gene Symbol	NPY5R
Species	Human, Rat, Hamster
Reactivity Notes	Rat reactivity reported in (PMID: 23179670).
Immunogen	Peptide with sequence C-GLSNKENRLEEN corresponding to internal region according to NP_006165.1.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation, Peptide ELISA
Recommended Dilutions	Western Blot 0.3 - 1 ug/mL, Immunohistochemistry 4 - 6 ug/mL, Immunoprecipitation, Immunohistochemistry-Paraffin 4 - 6 ug/mL, Peptide ELISA Detection limit 1:32000
Application Notes	This NPY5R Antibody is validated for IP from a verified customer review. WB: Approx. 50 kDa band observed in human brain, breast and duodenum lysates (calculated MW of 50.7 kDa band according to NP_006165.1). IHC-P: Human intestine shows staining of ganglion cells.

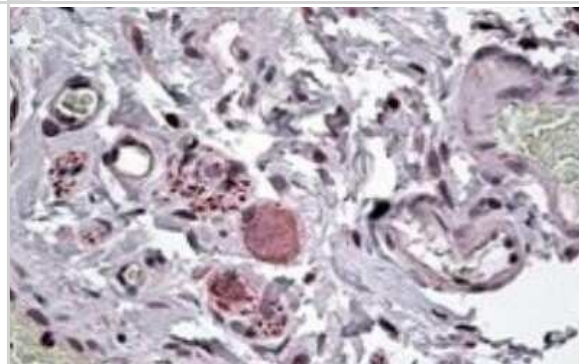


## Images

Western Blot: NPY5R Antibody [NB100-1538] - Staining of Human Brain lysate (35 ug protein in RIPA buffer). Antibody at 0.3 ug/mL. Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa  
15kDa  
10kDa

Immunohistochemistry-Paraffin: NPY5R Antibody [NB100-1538] - Staining of Human Intestine. Antibody at 3.8 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Gheller BJ, Blum JE, Merritt EK et al. Peptide YY (PYY) Is Expressed in Human Skeletal Muscle Tissue and Expanding Human Muscle Progenitor Cells *Front Physiol* 2019-03-05 [PMID: 30890955] (WB, Human)

Igura K, Haider HK, Ahmed RP et al. Neuropeptide Y and Neuropeptide Y Y5 Receptor Interaction Restores Impaired Growth Potential of Aging Bone Marrow Stromal Cells. *Rejuvenation Res.* 2011-05-19 [PMID: 21595512]

Hsieh YS, Kuo MH, Chen PN, Kuo DY. The Identification of Neuropeptide Y Receptor Subtype Involved in Phenylpropanolamine-induced Increase in Oxidative Stress and Appetite Suppression *Neuromolecular Med* 2012-11-20 [PMID: 23179670] (WB, Rat)

Kuo DY, Chen PN, Yu CH et al. Involvement of neuropeptide Y Y1 receptor in the regulation of amphetamine-mediated appetite suppression *Neuropharmacology* 2012-06-22 [PMID: 22732442] (WB, Rat)

Badman MK, Flier JS. The gut and energy balance: visceral allies in the obesity wars. *Science* 2005-03-25 [PMID: 15790843]



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NB100-1538**

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NB820-59177	Human Brain Whole Tissue Lysate (Adult Whole Normal)
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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