

Goat Anti-Npy2r (mouse) Antibody
Peptide-affinity purified goat antibody
Catalog # AF1744a

Specification

Goat Anti-Npy2r (mouse) Antibody - Product Information

Application	WB
Primary Accession	P49146
Other Accession	NP_032757 , 4887 , 18167 (mouse) , 66024 (rat)
Reactivity	Human, Mouse, Rat
Predicted	Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	42731

Goat Anti-Npy2r (mouse) Antibody - Additional Information

Gene ID 4887

Other Names

Neuropeptide Y receptor type 2, NPY2-R, NPY-Y2 receptor, Y2 receptor, NPY2R

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-Npy2r (mouse) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Npy2r (mouse) Antibody - Protein Information

Name NPY2R

Function

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.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

High levels in amygdala, corpus callosum, hippocampus and subthalamic nucleus. Also detectable in caudate nucleus, hypothalamus and substantia nigra

Goat Anti-Npy2r (mouse) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-Npy2r (mouse) Antibody - Images



AF1744a (0.1 $\mu\text{g/ml}$) staining of Rat Brain lysate (35 μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-Npy2r (mouse) Antibody - References

NPY neuron-specific Y2 receptors regulate adipose tissue and trabecular bone but not cortical bone homeostasis in mice. Shi YC, et al. PLoS One, 2010 Jun 29. PMID 20613867.

New method of manometric measurement of gastroduodenal motility in conscious mice: effects of ghrelin and Y2 depletion. Tanaka R, et al. Am J Physiol Gastrointest Liver Physiol, 2009 Nov. PMID 20501433.

The central and basolateral amygdala are critical sites of neuropeptide Y/Y2 receptor-mediated regulation of anxiety and depression. Tasan RO, et al. J Neurosci, 2010 May 5. PMID 20445054.

NPY Y2 receptor agonist PYY(3-36) inhibits diarrhea by reducing intestinal fluid secretion and slowing colonic transit in mice. Moriya R, et al. Peptides, 2010 Apr. PMID 19925840.

Peripheral peptide YY inhibits propulsive colonic motor function through Y2 receptor in conscious mice. Wang L, et al. Am J Physiol Gastrointest Liver Physiol, 2010 Jan. PMID 19892938.