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Npy2r Antibody (N-term).ctrl

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21326a

Product Information

Application	WB, E
Primary Accession	P97295
Reactivity	Human, Mouse
Predicted	Rat, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB52771
Calculated MW	42628

Additional Information

Gene ID	18167
Other Names	Neuropeptide Y receptor type 2, NPY2-R, NPY-Y2 receptor, Y2 receptor, Npy2r
Target/Specificity	This Npy2r antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 23-59 amino acids from the N-terminal region of human Npy2r.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	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.
Precautions	Npy2r Antibody (N-term).ctrl is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Npy2r
Function	Receptor for neuropeptide Y (NPY) and peptide YY (PYY) (PubMed: 8914576). Can also bind with lower affinity pancreatic polypeptide (PP/PPY) and [Leu-31, Pro-34]NPY, an analog of NPY modified at residues 31 and 34 of the mature form (By similarity). NPY or PYY binding induces adenylate cyclase-inhibiting G protein-coupled receptor signaling, resulting in inhibition of cAMP production.

	Receptor activation by ligands also leads to an increase of intracellular Ca(2+) levels (PubMed:8914576). Involved in the regulation of colonic antisecretory tone, and colonic contractility (PubMed:21457230). As receptor for peptide PYY(3-36) in the arcuate nucleus of the hypothalamus, it is involved in the down-regulation of appetite and food intake (PubMed:12167864, PubMed:16280589).
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:P49146}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P49146}
Tissue Location	Expressed in the arcuate nucleus of hypothalamus.

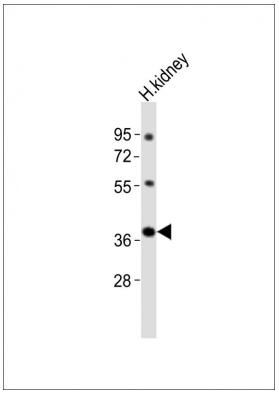
Background

Receptor for neuropeptide Y and peptide YY.

References

Nakamura M.,et al.Biochim. Biophys. Acta 1284:134-137(1996).
Carninci P.,et al.Science 309:1559-1563(2005).
Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Images



Anti-Npy2r Antibody (N-term). ctrlat 1:2000 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.