

Rabbit NPY2R Polyclonal Antibody | anti-NPY2R antibody

NPY2R Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325604	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

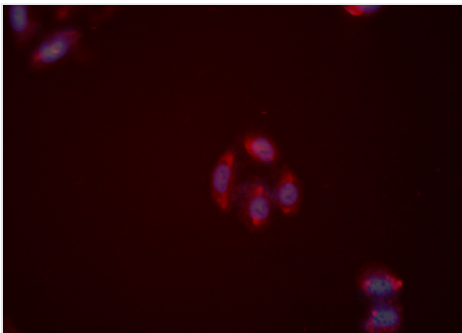
PRODUCT SYNONYMS

NPY2R; Polyclonal Antibody; NPY2R Antibody; Neuropeptide Y receptor type 2; Neuropeptide Y receptor Y2; NPY-Y2 receptor; NPY2-R; NPY2R_HUMAN; Y2 receptor; anti-NPY2R antibody

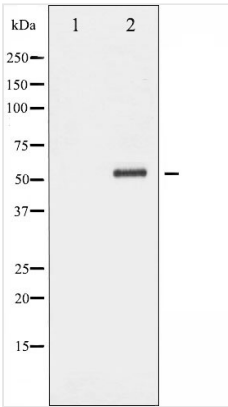
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NPY2R antibody detects endogenous levels of total NPY2R
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	381
Applicable Applications for anti-NPY2R antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	High levels in amygdala, corpus callosum, hippocampus and subthalamic nucleus. Also detectable in caudate nucleus, hypothalamus and substantia nigra.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit
Similarity	Pig (82%), Bovine (82%), Horse (82%), Rabbit (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA325604 staining HeLa cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37 degree C. The primary antibody was diluted 1/200 and incubated with the sample for 1 hour at 37 degree C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells, using NPY2R antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-NPY2R antibody	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. Similarity: Belongs to the G-protein coupled receptor 1 family.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505447
NCBI GeneID	4887
NCBI Accession #	NP_000901.1
NCBI GenBank Nucleotide #	NM_000910.3
UniProt Accession #	P49146; Q13281; Q13457; Q4W5G7; Q6AZZ6; Q9UE67
Molecular Weight	Observed: 48; 43 kD Predicted: 43 kDa
NCBI Official Full Name	neuropeptide Y receptor type 2
NCBI Official Synonym Full Names	neuropeptide Y receptor Y2
NCBI Official Symbol	NPY2R
NCBI Official Synonym Symbols	NPY2-R
NCBI Protein Information	neuropeptide Y receptor type 2
UniProt Protein Name	Neuropeptide Y receptor type 2
UniProt Gene Name	NPY2R
UniProt Synonym Gene Names	NPY2-R; Y2 receptor

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.