

ARG42220 anti-NPY2R antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NPY2R
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NPY2R
Species	Human
Immunogen	KLH-conjugated synthetic peptide between aa. 29-65 of Human NPY2R.
Conjugation	Un-conjugated
Alternate Names	Y2 receptor; NPY-Y2 receptor; NPY2-R; Neuropeptide Y receptor type 2

Application Instructions

Application table	Application	Dilution
	FACS	1:25
	IHC-P	1:25
	WB	1:1000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat brain	
Observed Size	~ 46 kDa	

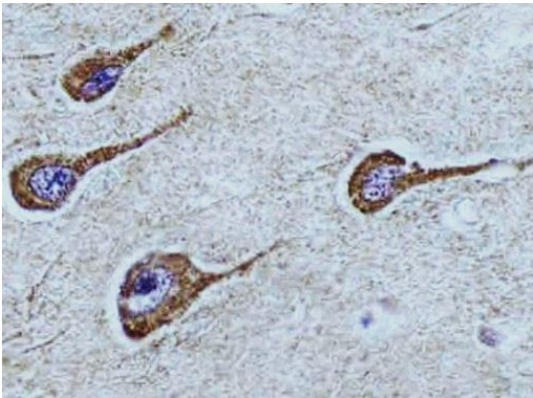
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

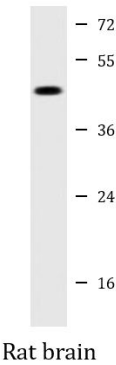
Gene Symbol	NPY2R
Gene Full Name	neuropeptide Y receptor Y2
Function	Receptor for neuropeptide Y and peptide YY. The rank order of affinity of this receptor for pancreatic polypeptides is PYY > NPY > PYY (3-36) > NPY (2-36) > [Ile-31, Gln-34] PP > [Leu-31, Pro-34] NPY > PP, [Pro-34] PYY and NPY free acid. [UniProt]
Calculated Mw	43 kDa
Cellular Localization	Cell membrane; Multi-pass membrane protein. [UniProt]

Images



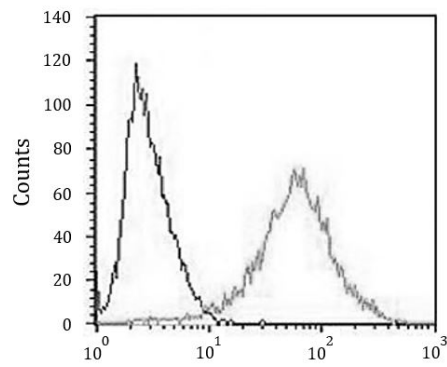
ARG42220 anti-NPY2R antibody IHC-P image

Immunohistochemistry: Paraformaldehyde-fixed and paraffin-embedded Human brain tissue section. Tissue was blocked with 3% BSA for 0.5 hour at room temperature. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0). Samples were stained with ARG42220 anti-NPY2R antibody at 1:25 dilution for 1 hours at 37°C.



ARG42220 anti-NPY2R antibody WB image

Western blot: 20 µg of Rat brain lysate stained with ARG42220 anti-NPY2R antibody at 1:2000 dilution.



ARG42220 anti-NPY2R antibody FACS image

Flow Cytometry: SH-SY5Y cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% BSA to block non-specific protein-protein interactions followed by ARG42220 anti-NPY2R antibody (right histogram) at 1:25 dilution for 60 min at 37°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (left histogram) was Rabbit IgG1 (1 μ g/ 10^6 cells) used under the same conditions. Acquisition of > 10000 events was performed.