

ARG42239
anti-NPY1R antibodyPackage: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NPY1R
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NPY1R
Species	Human
Immunogen	Synthetic peptide of Human NPY1R.
Conjugation	Un-conjugated
Alternate Names	NPYR; Neuropeptide Y receptor type 1; NPY1-R

Application Instructions

Application table	Application	Dilution
	IHC-P	1:25 - 1:100
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	WB: Human fetal brain IHC-P: Human gastric cancer and human cervical cancer	
Observed Size	~ 48 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 40% Glycerol.
Preservative	0.05% Sodium azide
Stabilizer	40% Glycerol
Concentration	0.3 mg/ml
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. 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.

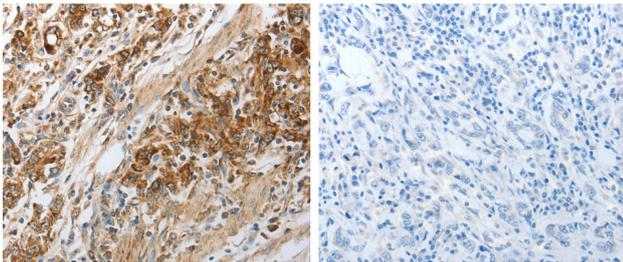
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

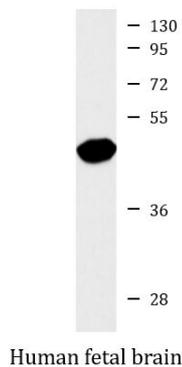
Gene Symbol	NPY1R
Gene Full Name	neuropeptide Y receptor Y1
Background	This gene belongs to the G-protein-coupled receptor superfamily. The encoded transmembrane protein mediates the function of neuropeptide Y (NPY), a neurotransmitter, and peptide YY (PYY), a gastrointestinal hormone. The encoded receptor undergoes fast agonist-induced internalization through clathrin-coated pits and is subsequently recycled back to the cell membrane. Activation of Y1 receptors may result in mobilization of intracellular calcium and inhibition of adenylate cyclase activity. [provided by RefSeq, Aug 2013]
Function	Receptor for neuropeptide Y and peptide YY. The rank order of affinity of this receptor for pancreatic polypeptides is NPY > [Pro-34] PYY, PYY and [Leu-31, Pro-34] NPY > NPY (2-36) > [Ile-31, Gln-34] PP and PYY (3-36) > PP > NPY free acid. [UniProt]
Highlight	Related news: Studying obesity and appetite control by quantifying orexigenic and anorexigenic hormones:
Calculated Mw	44 kDa
Cellular Localization	Cell membrane; Multi-pass membrane protein. [UniProt]

Images



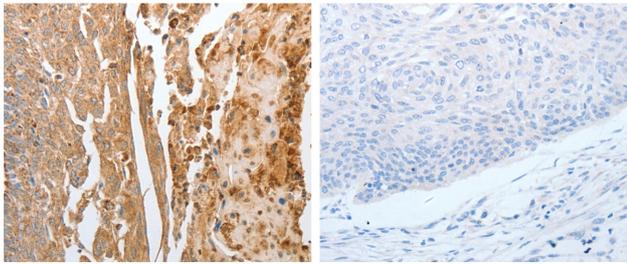
ARG42239 anti-NPY1R antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human gastric cancer tissue stained with ARG42239 anti-NPY1R antibody (left) at 1:30 dilution, or the same antibody pre-incubated with synthetic peptide (right). (Original magnification: X200).



ARG42239 anti-NPY1R antibody WB image

Western blot: 60 µg of Human fetal brain lysate stained with ARG42239 anti-NPY1R antibody at 1:500 dilution.



ARG42239 anti-NPY1R antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human cervical cancer stained with ARG42239 anti-NPY1R antibody (left) at 1:30 dilution, or the same antibody pre-incubated with synthetic peptide (right). (Original magnification: X200).