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# Datasheet for ABIN7043372 anti-NPY1R antibody (2nd Extracellular Loop)





### Overview

Quantity:	0.2 mL
Target:	NPY1R
Binding Specificity:	2nd Extracellular Loop, AA 197-210
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS)
Product Details	
Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: CFDKFPSDSHRLSY, corresponding to amino acid residues 197-210 of mouse NPY1R
lsotype:	IgG
Characteristics:	Anti-NPY1R (extracellular) Antibody (ABIN7043372, ABIN7044674 and ABIN7044675)) is a highly specific antibody directed against an epitope of the mouse protein. The antibody can be used in western blot, immunohistochemistry, and live cell flow cytometry applications. It has been designed to recognize NPY1R from mouse, rat, and human samples.

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## Target Details

Target:	NPY1R
Alternative Name:	NPY1R (NPY1R Products)
Background:	Alternative names: Neuropeptide Y receptor type 1, NPYR, NPYY1
Gene ID:	18166
NCBI Accession:	NM_000909
UniProt:	Q04573
Pathways:	Negative Regulation of Hormone Secretion, Feeding Behaviour

### **Application Details**

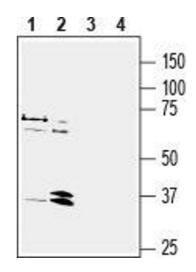
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

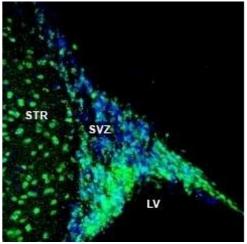
## Handling

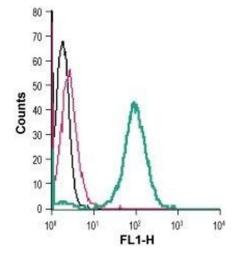
Format:	Lyophilized
Reconstitution:	25 $\mu\text{L}$ , 50 $\mu\text{L}$ or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Ceptrifuge all antibody preparations before use (10000 x q 5 min)

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### Western Blotting

**Image 1.** Western blot analysis of human MCF-7 breast adenocarcinoma cell line lysate (lanes 1 and 3) and human HL-60 promyelocytic leukemia cell line lysate (lanes 2 and 4): - 1, 2. Anti-NPY1R (extracellular) Antibody (ABIN7043372, ABIN7044674 and ABIN7044675), (1:200). 3, 4. Anti-NPY1R (extracellular) Antibody, preincubated with NPY1R (extracellular) Blocking Peptide (#BLP-NR027).

### Immunohistochemistry

**Image 2.** Expression of NPY1R in rat striatum and subventricular zone (SVZ) - Immunohistochemical staining of perfusion-fixed frozen rat brain sections with Anti-NPY1R (extracellular) Antibody (ABIN7043372, ABIN7044674 and ABIN7044675), (1:200), followed by goat anti-rabbit-AlexaFluor-488. NPY1R immunoreactivity (green) appears in the striatum (STR) and the SVZ. Cell nuclei were stained with DAPI (blue). LV = Lateral ventricle.

### **Flow Cytometry**

**Image 3.** Cell surface detection of NPY1R in live intact human THP-1 monocytic leukemia cells: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-NPY1R (extracellular) Antibody (ABIN7043372, ABIN7044674 and ABIN7044675), (2.5 μg) + goat-antirabbit-FITC.

Please check the product details page for more images. Overall 4 images are available for ABIN7043372.

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