

Datasheet for ABIN7043375
anti-NPY5R antibody (3rd Intracellular Loop)

3 Images

[Go to Product page](#)

Overview

Quantity:	50 µL
Target:	NPY5R
Binding Specificity:	3rd Intracellular Loop, AA 291-306
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: SFIRKHRRRYSKKTAC, corresponding to amino acid residues 291-306 of rat NPY5R
Isotype:	IgG
Characteristics:	Anti-NPY5R Antibody is directed against an epitope of the rat neuropeptide Y5 receptor (NPY5R). Anti-NPY5R Antibody (ABIN7043375 and ABIN7044673) can be used in western blot, immunohistochemistry and immunocytochemistry applications. It has been designed to recognize NPY5R from rat, human and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

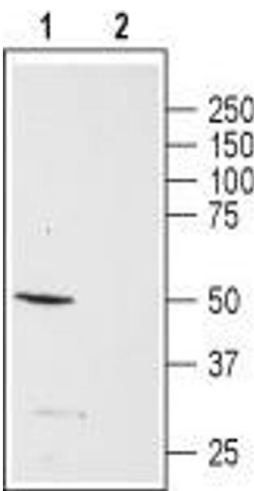
Target:	NPY5R
Alternative Name:	NPY5R (NPY5R Products)
Background:	Alternative names: NPY5R, Neuropeptide Y5 receptor, Neuropeptide Y receptor type 5, NPY Y5 receptor, NPY5
Gene ID:	25340
NCBI Accession:	NM_006174
UniProt:	Q63634
Pathways:	Feeding Behaviour

Application Details

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

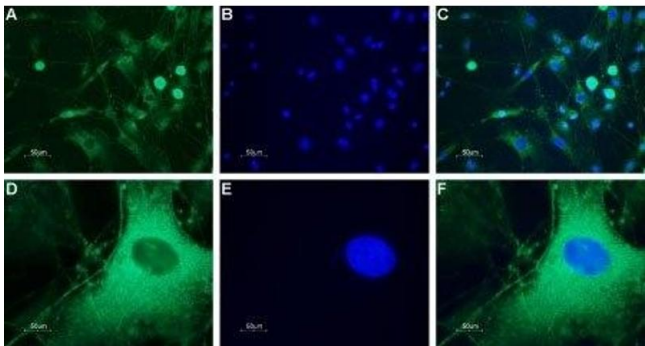
Handling

Format:	Lyophilized
Reconstitution:	50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.7 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:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>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. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



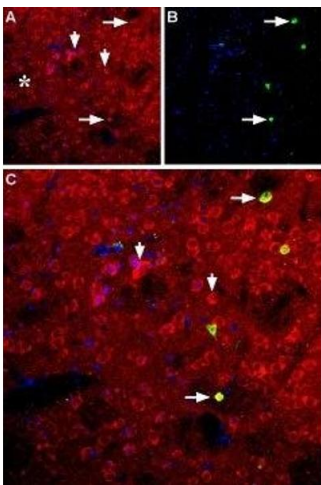
Western Blotting

Image 1. Western blot analysis of rat brain membrane: - 1. Anti-NPY5R Antibody (ABIN7043375 and ABIN7044673), (1:200). 2. Anti-NPY5R Antibody, preincubated with NPY5R Blocking Peptide (#BLP-NR025).



Immunocytochemistry

Image 2. Expression of neuropeptide Y5 receptor in rat DRG - Immunocytochemical staining of a primary culture of rat dorsal root ganglion (DRG) neurons. A, D. A paraformaldehyde-fixed and permeabilized DRG primary culture was stained with Anti-NPY5R Antibody (ABIN7043375 and ABIN7044673), (1:100) followed by goat-anti-rabbit-AlexaFluor-488 secondary antibody. B, E. Nuclear fluorescence staining of cells using the membrane-permeable DNA dye Hoechst 33342. C. Merged images of panels A and B. F. Merged images of panels D and E. Magnification: A-C: x20, E-F: x100



Immunohistochemistry

Image 3. Expression of neuropeptide Y5 receptor in rat striatum - Immunohistochemical staining of rat striatum using Anti-NPY5R Antibody (ABIN7043375 and ABIN7044673). A. NPY5R (red) appears in the striatal matrix (asterisk) and in nerve cells in the matrix (vertical arrows). B. Parvalbumin (green) appears in the striatal matrix. C. Merge of NPY5R and parvalbumin demonstrates co-localization in a sub-set of cells (horizontal arrows). DAPI is used as the counterstain (blue).