

Datasheet for ABIN7043371
anti-NPY1R antibody (3rd Intracellular Loop)

3 Images

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Overview

Quantity:	50 µL
Target:	NPY1R
Binding Specificity:	3rd Intracellular Loop, AA 237-252
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NPY1R antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)RLKRRNNMMDKMRDNK, corresponding to amino acid residues 237-252 of human NPY1R
Isotype:	IgG
Characteristics:	Anti-NPY1R Antibody is directed against an intracellular epitope of the human neuropeptide Y1 receptor (NPY1R). Anti-NPY1R Antibody (ABIN7043371, ABIN7044668 and ABIN7044669)) can be used in western blot analysis, immunohistochemistry, and immunocytochemical applications. It has been designed to recognize NPY1R from human, rat, and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

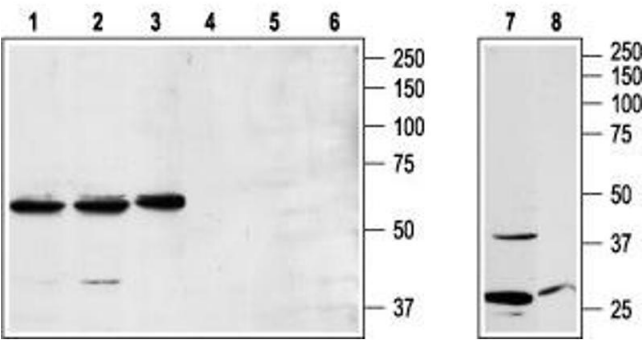
Target:	NPY1R
Alternative Name:	NPY1R (NPY1R Products)
Background:	Alternative names: NPY1R, Neuropeptide Y1 receptor, Neuropeptide Y receptor type 1, NPYR, NPYY1
Gene ID:	4886
NCBI Accession:	NM_000909
UniProt:	P25929
Pathways:	Negative Regulation of Hormone Secretion , Feeding Behaviour

Application Details

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

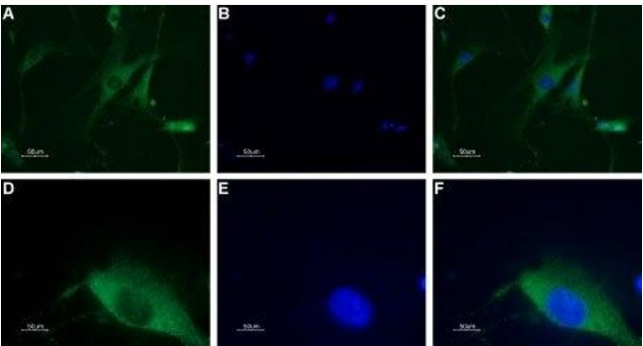
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.75 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>



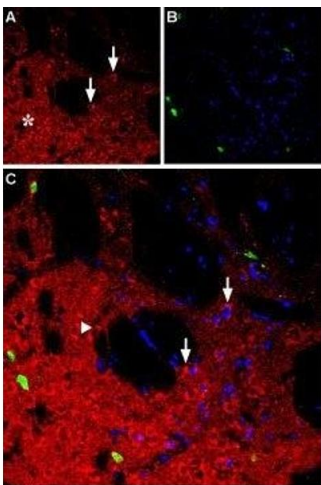
Western Blotting

Image 1. Western blot analysis of Jurkat (lanes 1 and 4), K562 (lanes 2 and 5), and RBL (lanes 3 and 6) cell lysates and rat brain lysates (lanes 7 and 8): - 1,2,3,7. Anti-NPY1R Antibody (ABIN7043371, ABIN7044668 and ABIN7044669), (1:200).4,5,6,8. Anti-NPY1R Antibody, preincubated with NPY1R Blocking Peptide (#BLP-NR021).



Immunocytochemistry

Image 2. Expression of neuropeptide Y1 receptor in DRG neurons - 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-NPY1R Antibody (ABIN7043371, ABIN7044668 and ABIN7044669), (1:100), followed by Alexa-555-conjugated goat-anti-rabbit secondary antibody. B, E. Nuclear fluorescence staining of cells using the membrane-permeable DNA dye Hoechst 33342. C. Merged images of A and B. F. Merged images of D and E. Magnification: A-C: x20E-F: x100



Immunohistochemistry

Image 3. Expression of neuropeptide Y1 receptor in rat striatum - Immunohistochemical staining of rat striatum using Anti-NPY1R Antibody (ABIN7043371, ABIN7044668 and ABIN7044669). A. NPY1R (red) appears in the striatal matrix (white asterisk) and in medium-size cells in the matrix (arrows). B. Parvalbumin (green) appears in the striatal matrix. C. Confocal merge of NPY1R and parvalbumin indicates that NPY1R is restricted to granule cells. DAPI is used as the counterstain (blue).