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## Datasheet for ABIN113620 **anti-NPY1R antibody (AA 365-378)**

### Overview

Quantity:	1 mL
Target:	NPY1R
Binding Specificity:	AA 365-378
Reactivity:	Human, Rat
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This NPY1R antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

### Product Details

Immunogen:	Synthetic peptide corresponding to amino acids 365-378 of human NPY1R (KQASPVAFKKINNN) conjugated to KLH.
Specificity:	This antibody reacts with Neuropeptide Y Receptor 1.
Purification:	Ammonium Sulphate Fractionation

### Target Details

Target:	NPY1R
Alternative Name:	Neuropeptide Y Receptor 1 ( <a href="#">NPY1R Products</a> )
Background:	Neuropeptide Y (NPY) is one of the most abundant neuropeptides in the mammalian nervous system and exhibits a diverse range of important physiologic activities, including effects on

## Target Details

psychomotor activity, food intake, regulation of central endocrine secretion, and potent vasoactive effects on the cardiovascular system. There are two major subtypes of NPY (Y1 and Y2). The NPY Y1 receptors have been identified in a variety of tissues, including brain, spleen, small intestine, kidney, testis, placenta, breast, colon, ganglion, heart, and aortic smooth muscle. The Y2 receptor is found mainly in the central nervous system. NPY receptors are a member of the G protein-coupled receptor superfamily. Synonyms: NPYR, NPY1, Neuropeptide Y receptor 1

Gene ID: 4886

NCBI Accession: [NP\\_000900](#)

UniProt: [P25929](#)

Pathways: [Feeding Behaviour](#)

## Application Details

Application Notes: ELISA. Western blot (1/250 as a guide). Immunohistochemistry on Paraffin Sections (1/1,000-1/4,000): See below for protocol.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

Protocol: Protocol: - Samples: Bouin's fixed paraffin sections, 5 µm, from rat brain. - 5 minutes microwave pre-treatment, citrate buffer, pH 6.0. - Peroxidase blocking (15 minutes), normal rabbit serum (30 minutes),

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 5.0 mg/mL

Buffer: PBS, pH 7.2, containing 0.09 % Sodium Azide as preservative.

Preservative: Sodium azide

Precaution of Use: Do Not Add Sodium Azide

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

## Handling

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Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer. Do not freeze working dilutions