



# Rabbit Anti Human NPY1R (C-term) polyclonal antibody (CABT-L972)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	This antibody detects Neuropeptide Y receptor 1 (C-term).
<b>Target</b>	NPY1R
<b>Immunogen</b>	Synthetic peptide mapping at the C-terminal of human NPY1R Remarks: Sequence is identical to the related rat and mouse sequence.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC-P
<b>Reconstitution</b>	0.2ml of distilled water will yield a concentration of 500µg/ml.
<b>Format</b>	Lyophilized
<b>Size</b>	100 µg
<b>Buffer</b>	5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub>
<b>Preservative</b>	See individual product datasheet
<b>Storage</b>	Store at 2 - 8°C for up to one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.

## BACKGROUND

### Introduction

Neuropeptide Y Receptor Y1 (NPY1R) is one of the most abundant neuropeptides in the mammalian nervous system and exhibits a diverse range of important physiological activities, including effects on psychomotor activity, food intake, regulation of central endocrine secretion, and potent vasoactive effects on the cardiovascular system. Two major subtypes of NPY receptor (Y1 and Y2) have been defined by pharmacological criteria. NPY1R and NPY2R encoding mouse type 1 and type 2 neuropeptide Y receptors, have been mapped by interspecific backcross analysis. NPY1R is required for central physiological and pharmacological NPY-induced analgesia and that its activation is both sufficient and required for the release of substance P and initiation of neurogenic inflammation.

### Keywords

NPY1R;neuropeptide Y receptor Y1;NPYR;neuropeptide Y receptor type 1;NPY1-R

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## GENE INFORMATION

### Entrez Gene ID

[4886](#)

### UniProt ID

[P25929](#)

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