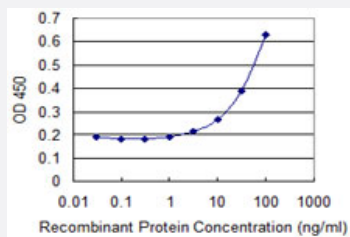


NPY1R monoclonal antibody (M21), clone 3A1

Catalog # H00004886-M21

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NPY1R is 1 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant NPY1R.
Immunogen	NPY1R (AAH36657, 1 a.a. ~ 384 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MNSTLFSQVENHSVHSNFSEKNAQLLAFENDDCHLPLAMIFTLALAYGAVIILGVSGNLALIIILKQK EMRNVTNILVNLSFSDLLVAIMCLPFTFVYTLMDHWVFGTEAMCKLNPFVQCVPITVSIFSLVLI AVE RHQLIINPRGWRPNNRHAYVGIAVWVLAVASSLPFLYQVMTDEPFQNVTLDAYKDKYVCFDQFPS DSHRLSYTTLLVLQYFGPLCFIFICYFKIYRLKRRNNMMDKMRDNKYRSSETKRINIMLLSMVAF AV CWLPLTIFNTVYDWNHQIATCNHNLLFLLCHLTAMISTCVNPIFYGFLNKNFQRDLQFFNFCD FRS RDDDYETIAMSTMHTDVS KTS LKQASPVAFKKINNNDNEKI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (92)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NPY1R is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — NPY1R

Entrez GeneID[4886](#)**GeneBank Accession#**[BC036657](#)**Protein Accession#**[AAH36657](#)**Gene Name**

NPY1R

Gene Alias

NPYR

Gene Description

neuropeptide Y receptor Y1

Omim ID[162641](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Neuropeptide Y (NPY; MIM 162640) is one of the most abundant neuropeptides in the mammalian nervous system and exhibits a diverse range of important physiologic 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 (Y1 and Y2) have been defined by pharmacologic criteria. NPY receptors, such as NPY1R, have been identified in a variety of tissues, including brain, spleen, small intestine, kidney, testis, placenta, and aortic smooth muscle (Herzog et al., 1992 [PubMed 1321422]).[supplied by OMIM]

Other Designations

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Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcoholism](#)
- [Anorexia Nervosa](#)
- [Appetite](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Cocaine-Related Disorders](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertrophy](#)
- [Liver Diseases](#)
- [NARP](#)
- [Obesity](#)
- [Panic Disorder](#)
- [Puberty](#)
- [Substance Withdrawal Syndrome](#)