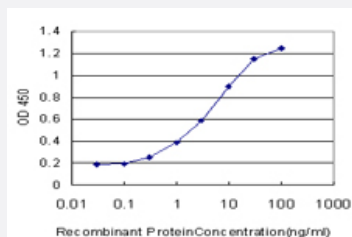


NPY1R monoclonal antibody (M03), clone 2G2

Catalog # H00004886-M03

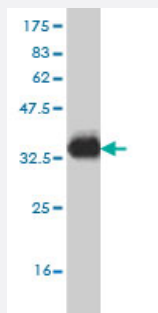
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NPY1R is approximately 0.1ng/ml as a capture antibody.



Western Blot detection against Immunogen (38.39 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant NPY1R.
Immunogen	NPY1R (AAH36657, 1 a.a. ~ 115 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MNSTLFSQVENHSVHSNFSEKNAQLLAFENDDCHLPLAMIFTLALAYGAVIILGVSGNLALIIILKQK EMRNVTNILVNLVSFSDLLVAIMCLPFTFVYTLMDHWWVFGEAMCKL
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (91); Rat (90)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.39 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NPY1R is approximately 0.1ng/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

-

Publication Reference

- [Neuropeptide Y and Neuropeptide Y Y5 Receptor Interaction Restores Impaired Growth Potential of Aging Bone Marrow Stromal Cells.](#)

Igura K, Haider HK, Ahmed RP, Sheriff S, Ashraf M.

Rejuvenation Research 2011 Aug; 14(4):393.

Application: WB-Tr, Rat, Bone marrow stromal cells

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](#)