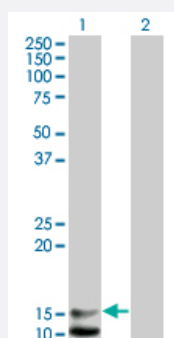


NPPB monoclonal antibody (M01), clone 2D11

Catalog # H00004879-M01

Size 100 ug

Applications

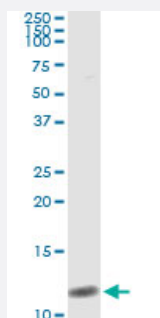


Western Blot (Transfected lysate)

Western Blot analysis of NPPB expression in transfected 293T cell line by NPPB monoclonal antibody (M01), clone 2D11.

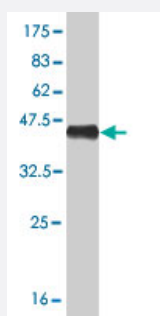
Lane 1: NPPB transfected lysate (14.726 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of NPPB transfected lysate using anti-NPPB monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with NPPB MaxPab rabbit polyclonal antibody.



Western Blot detection against Immunogen (40.48 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant NPPB.

Immunogen	NPPB (AAH25785, 1 a.a. ~ 134 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MDPQTAPSRALLLLFLHLAFLGGRSHPLGSPGSASDSETSGLQEQRNHLQGKLSELQVEQTSL EPLQESPRPTGVWKSREVATEGIRGHRKMVLYTLRAPRSPKMVQSGSGCFGRKMDRISSSSGLG CKVLRHH
Host	Mouse
Reactivity	Human
Isotype	IgG3 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (40.48 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 (Transfected lysate)

Western Blot analysis of NPPB expression in transfected 293T cell line by NPPB monoclonal antibody (M01), clone 2D11.

Lane 1: NPPB transfected lysate(14.726 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of NPPB transfected lysate using anti-NPPB monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with NPPB MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- ELISA

Gene Info — NPPB

Entrez GeneID

[4879](#)

GeneBank Accession#	BC025785
Protein Accession#	AAH25785
Gene Name	NPPB
Gene Alias	BNP
Gene Description	natriuretic peptide precursor B
Omim ID	600295
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the natriuretic peptide family and encodes a secreted protein which functions as a cardiac hormone. The protein undergoes two cleavage events, one within the cell and a second after secretion into the blood. The protein's biological actions include natriuresis, diuresis, vasorelaxation, inhibition of renin and aldosterone secretion, and a key role in cardiovascular homeostasis. A high concentration of this protein in the bloodstream is indicative of heart failure. Mutations in this gene have been associated with postmenopausal osteoporosis. [provided by RefSeq]
Other Designations	OTTHUMP00000002506 OTTHUMP00000044486 brain type natriuretic peptide natriuretic protein

Publication Reference

- [The arrhythmogenic effect of self-assembling nanopeptide hydrogel scaffolds on neonatal mouse cardiomyocytes.](#)

Chiu YW, Chen WP, Su CC, Lee YC, Hsieh PH, Ho YL.

Nanomedicine 2014 Jul; 10(5):1065.

Application: ELISA, Mouse, Primary neonatal mouse heart cell culture medium

Pathway

- [Vascular smooth muscle contraction](#)

Disease

- [Alzheimer disease](#)
- [Atherosclerosis](#)

- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Heart Failure](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Insulin Resistance](#)
- [Kidney Diseases](#)
- [Liver Cirrhosis](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Renal Artery Obstruction](#)
- [Ventricular Dysfunction](#)