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NPPB Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant NPPB.
Catalog # AT3086a

Specification

NPPB Antibody (monoclonal) (M01) - Product Information

Application	**IP, WB**
Primary Accession	P16860
Other Accession	BC025785
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG3 Kappa**
Calculated MW	**14726**

NPPB Antibody (monoclonal) (M01) - Additional Information

Gene ID 4879

Other Names
Natriuretic peptides B, Gamma-brain natriuretic peptide, Brain natriuretic peptide 32, BNP(1-32), BNP-32, BNP(1-30), BNP(1-29), BNP(1-28), BNP(2-31), BNP(3-32), BNP(3-30), BNP(3-29), BNP(4-32), BNP(4-31), BNP(4-30), BNP(4-29), BNP(4-27), BNP(5-32), BNP(5-31), BNP(5-29), NPPB

Target/Specificity
NPPB (AAH25785, 1 a.a. ~ 134 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

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

Precautions
NPPB Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

NPPB Antibody (monoclonal) (M01) - Protocols

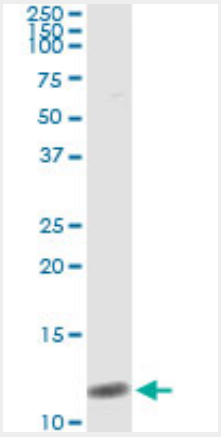
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

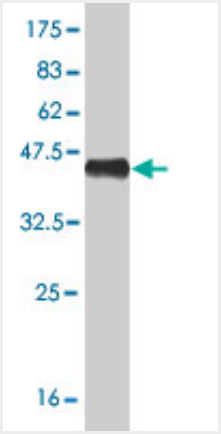
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- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NPPB Antibody (monoclonal) (M01) - Images

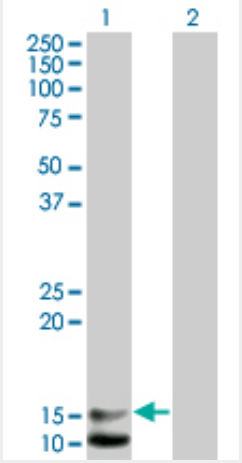


Immunoprecipitation of NPPB transfected lysate using anti-NPPB monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with NPPB MaxPab rabbit polyclonal antibody.



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (40.48 KDa) .

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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.

NPPB Antibody (monoclonal) (M01) - Background

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.

NPPB Antibody (monoclonal) (M01) - References

1.The arrhythmogenic effect of self-assembling nanopeptide hydrogel scaffolds on neonatal mouse cardiomyocytes.Chiu YW, Chen WP, Su CC, Lee YC, Hsieh PH, Ho YLNanomedicine. 2014 Jan 31. pii: S1549-9634(14)00029-X. doi: 10.1016/j.nano.2014.01.005.