

## NPPB antibody

Catalog No: #38393

Package Size: #38393-1 50ul #38393-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

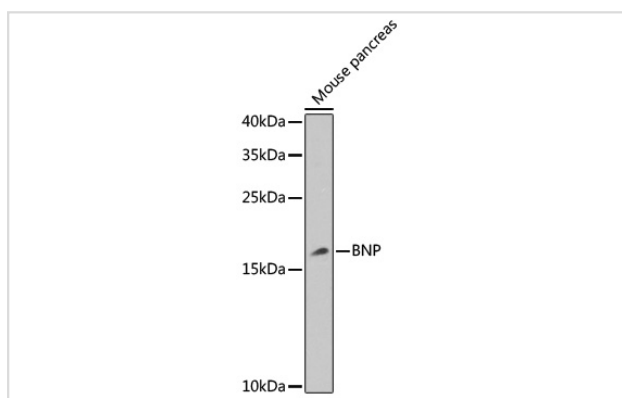
## Description

Product Name	NPPB antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total NPPB protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human NPPB.
Target Name	NPPB
Other Names	NPPB; BNP; Gamma-brain natriuretic peptide;
Accession No.	Swiss-Prot#: P16860NCBI Gene ID: 4879
SDS-PAGE MW	15kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

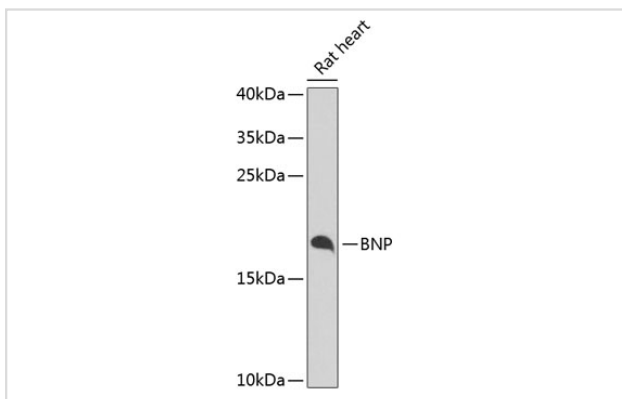
## Application Details

Western blotting: □ 1:500 - 1:2000

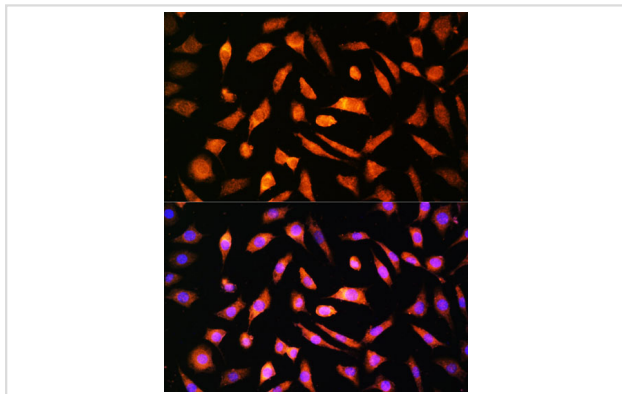
## Images



Western blot analysis of extracts of mouse pancreas, using BNP antibody at 1:1000 dilution.



Western blot analysis of extracts of rat heart, using BNP antibody at 1:1000 dilution.



Immunofluorescence analysis of L929 cells using BNP antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

## Background

B-type natriuretic peptide (BNP) is a cardiac neurohormone specifically secreted from the ventricles in response to volume expansion and pressure overload (1). The actions of BNP include natriuresis, diuresis, vasorelaxation, and inhibition of renin and aldosterone secretion. It is also found to help restore the body's salt and water balance and improve heart function (2). BNP is co-secreted along with a biologically inactive N-terminal fragment (NT-proBNP). Circulating BNP and NT-proBNP provide important information on cardiac dysfunction, hypervolemia, and risk in patients with severe impairment of kidney function (3).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.