

For Research Use Only

# NPR2 Polyclonal antibody

Catalog Number: 55113-1-AP

3 Publications



## Basic Information

### Catalog Number:

55113-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 380 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_003995

### GeneID (NCBI):

4882

### UNIPROT ID:

P20594

### Full Name:

natriuretic peptide receptor  
B/guanylate cyclase B  
(atrionatriuretic peptide receptor B)

### Calculated MW:

117 kDa

### Observed MW:

111 kDa, 117 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:200-1:1000

## Applications

### Tested Applications:

WB, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse

### Cited Species:

human, mouse

### Positive Controls:

WB : transfected cells,

## Background Information

NPR2, also named as ANPRB, GC-B, NPR-B, ANPR-B and ANP-B, belongs to the adenylyl cyclase class-4/guanylyl cyclase family. It is a receptor for the C-type natriuretic peptide NPPC/CNP hormone. NPR2 has guanylate cyclase activity upon binding of its ligand. It may play a role in the regulation of skeletal growth. NPR2 is the primary receptor for C type natriuretic peptide (CNP), which upon ligand binding exhibits greatly increased guanylyl cyclase activity. Defects in NPR2 are the cause of acromesomelic dysplasia Maroteaux type (AMDM). The antibody is specific to NPR2.

## Notable Publications

Author	Pubmed ID	Journal	Application
Dianxin Liu	37399424	Proc Natl Acad Sci U S A	WB
Xiao Ma	37239899	Int J Mol Sci	WB
Xiao Ma	36747784	bioRxiv	WB

## Storage

### Storage:

Store at -20°C.

### Storage Buffer:

0.1M NaHCO<sub>3</sub>, 0.1M glycine, 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

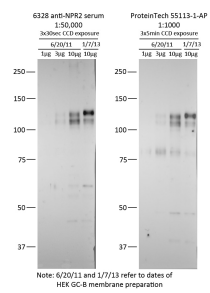
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

# Selected Validation Data



WB result of anti-NPR2 (55113-1-AP, 1:1000) with HEK293 overexpressed NPR2 by Jeremy Egbert and Laurinda Jaffe. (Another anti serum 6328 as control).