

For Research Use Only

# NPR2 Polyclonal antibody

Catalog Number: 55113-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 55113-1-AP	<b>GenBank Accession Number:</b> NM_003995	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 380 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4882	<b>Recommended Dilutions:</b> WB 1:200-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> natriuretic peptide receptor B/guanylate cyclase B (atrionatriuretic peptide receptor B)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 117 kDa	
	<b>Observed MW:</b> 111 kDa, 117 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : transfected cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, mouse	

## 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

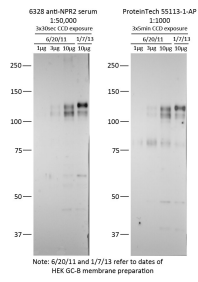
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
0.1M NaHCO<sub>3</sub>, 0.1M glycine, 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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  
W: ptglab.com

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## 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).