

For Research Use Only

# NPR1 Recombinant antibody

Catalog Number: 84043-1-RR



## Basic Information

Catalog Number:

84043-1-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_000906

GeneID (NCBI):

4881

UNIPROT ID:

P16066

Full Name:

natriuretic peptide receptor

A/guanylate cyclase A

(atrionatriuretic peptide receptor A)

Calculated MW:

119 kDa

Observed MW:

119-125 kDa

Purification Method:

Protein A purification

CloneNo.:

240696A9

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HT-29 cells, HeLa cells, SGC-7901 cells

IF/ICC : HeLa cells,

## Background Information

NPR1 (Atrial natriuretic peptide receptor 1), also named as NPRA, is a transmembrane protein expressed in the vascular endothelium. Activation of NPRA requires a binding of natriuretic peptides NPPA (ANP) or NPPB (BNP) to its extracellular domain and this promotes the production of cyclic guanosine monophosphate (cGMP), which in turn activates protein kinase cGMP - dependent 1 (PRKG1 or commonly used as PKG).

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

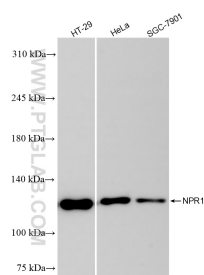
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

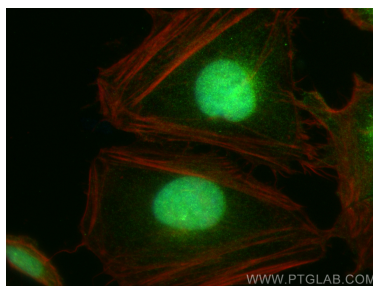
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84043-1-RR (NPR1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using NPR1 antibody (84043-1-RR, Clone: 240696A9) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).