

For Research Use Only

NPR1 Recombinant antibody

Catalog Number: 84043-1-RR



Basic Information

Catalog Number: 84043-1-RR	GenBank Accession Number: NM_000906	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 4881	CloneNo.: 240696A9
Source: Rabbit	UNIPROT ID: P16066	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: natriuretic peptide receptor A/guanylate cyclase A (atrionatriuretic peptide receptor A)	
	Calculated MW: 119 kDa	
	Observed MW: 119-125 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	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

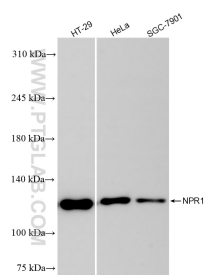
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

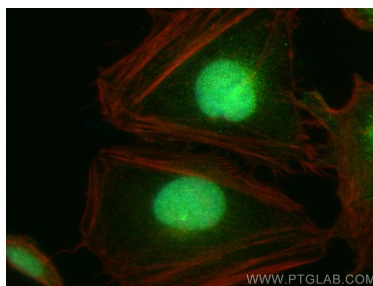
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



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).