

For Research Use Only

Mouse NPR1 Recombinant monoclonal antibody, PBS Only

Catalog Number:87831-1-PBS



Basic Information

Catalog Number: 87831-1-PBS	GenBank Accession Number: NM_008727.5	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 18160	CloneNo.: 251242G3
Source: Rabbit	UNIPROT ID: P18293	
Isotype: IgG	Full Name: natriuretic peptide receptor 1	
Immunogen Catalog Number: EG2985	Calculated MW: 119 kDa	
	Observed MW: 119-140 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
mouse

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 -80°C.

Storage Buffer:
PBS only, pH7.3

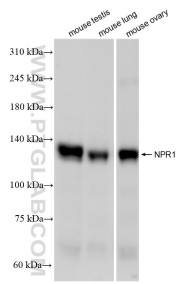
For technical support and original validation data for this product please contact:

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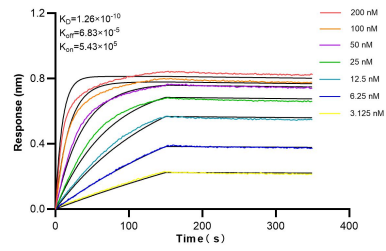
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87831-1-RR (Npr1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87831-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87831-1-RR against Mouse NPR1 were performed. The affinity constant is 0.126 nM.