

For Research Use Only

NPR1 Recombinant monoclonal antibody

Catalog Number:87831-1-RR



Basic Information

Catalog Number: 87831-1-RR	GenBank Accession Number: NM_008727.5	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 18160	CloneNo.: 251242G3
Isotype: IgG	UNIPROT ID: P18293	Recommended Dilutions: WB: 1:500-1:2000
Immunogen Catalog Number: EG2985	Full Name: natriuretic peptide receptor 1	
	Calculated MW: 119 kDa	
	Observed MW: 119-140 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse testis tissue, mouse lung tissue, mouse ovary tissue
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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

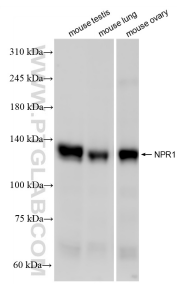
T: 4006900926

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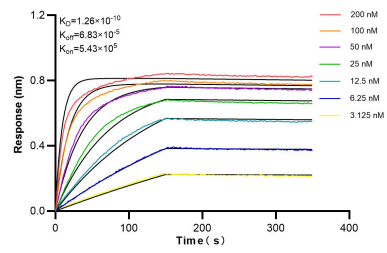
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Selected Validation Data



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.



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