



Rabbit Anti-Natriuretic Peptide Receptor B antibody

SL2348R

Product Name:	Natriuretic Peptide Receptor B
Chinese Name:	利钠肽受体B抗体
Alias:	AMDM; ANP B; ANP-B; ANPB; ANPR-B; ANPRB; ANPRB_HUMAN; Atrial natriuretic peptide B type receptor; Atrial natriuretic peptide receptor 2; Atrial natriuretic peptide receptor B; Atrial natriuretic peptide receptor B precursor; Atrial natriuretic peptide receptor type B; Atrionatriuretic peptide receptor B; GC B; GC-B; GCB; Guanylate cyclase B; GUC 2B; GUC2B; GUCY 2B; GUCY2B; Natriuretic peptide receptor B; Natriuretic peptide receptor B/guanylate cyclase B; NPR 2; NPR B; NPR-B; NPR2; NPRB; NPRBi; OTTHUMP00000045390.
文献引用 PubMed :	<p>Specific References(1) SL2348R has been referenced in 1 publications.</p> <p>[IF=2.43]Li, Ping, et al. "CNP signal pathway up-regulated in rectum of depressed rats and the interventional effect of Xiaoyaosan." World Journal of Gastroenterology: WJG 21,5 (2015): 1518.WB;Rat.</p> <p style="text-align: right;">PubMed:25663771</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	117kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human NPR-B:101-

	200/1047<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>NPR2 encodes natriuretic peptide receptor B, one of two integral membrane receptors for natriuretic peptides. Both NPR1 and NPR2 contain five functional domains: an extracellular ligand binding domain, a single membrane spanning region, and intracellularly a protein kinase homology domain), a helical hinge region involved in oligomerization, and a carboxyl terminal guanylyl cyclase catalytic domain. NPR2 is the primary receptor for C type natriuretic peptide (CNP), which upon ligand binding exhibits greatly increased guanylyl cyclase activity.</p> <p>Function: Receptor for the C-type natriuretic peptide NPPC/CNP hormone. Has guanylate cyclase activity upon binding of its ligand. May play a role in the regulation of skeletal growth.</p> <p>Subcellular Location: Membrane; Single-pass type I membrane protein.</p> <p>Post-translational modifications: Phosphorylation of the protein kinase-like domain is required for full activation by CNP.</p> <p>DISEASE: Defects in NPR2 are the cause of acromesomelic dysplasia Maroteaux type (AMDM) [MIM:602875]. Acromesomelic chondrodysplasias are rare hereditary skeletal disorders characterized by short stature, very short limbs, and hand/foot malformations. The severity of limb abnormalities increases from proximal to distal with profoundly affected hands and feet showing brachydactyly and/or rudimentary fingers (knob-like fingers). AMDM is an autosomal recessive form characterized by axial skeletal involvement with wedging of vertebral bodies. In AMDM all skeletal elements are present but show abnormal rates of linear growth.</p> <p>Similarity: Belongs to the adenylyl cyclase class-4/guanylyl cyclase family. Contains 1 guanylate cyclase domain. Contains 1 protein kinase domain.</p> <p>SWISS: P20594</p>

Gene ID:
4882

Database links:

[Entrez Gene: 4882](#)Human

[Entrez Gene: 230103](#)Mouse

[Entrez Gene: 116564](#)Rat

[Omim: 108961](#)Human

[SwissProt: P20594](#)Human

[SwissProt: Q6VWV5](#)Mouse

[SwissProt: P16067](#)Rat

[Unigene: 78518](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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