

Rabbit Npr2 Polyclonal Antibody | anti-Npr2 antibody

Mouse Npr2 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288099	Rabbit	Mouse (Predicted Reactivity: Rat)	ELISA, Western Blot

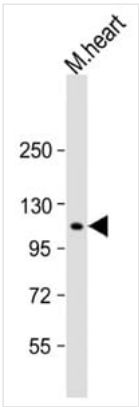
PRODUCT SYNONYMS

Npr2; Polyclonal Antibody; Mouse Npr2 Antibody (Center); Atrial natriuretic peptide receptor 2; Atrial natriuretic peptide receptor type B; ANP-B; ANPR-B; NPR-B; Guanylate cyclase B; GC-B; anti-Npr2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Npr2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 480-509 amino acids from the Central region of mouse Npr2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	480-509
Sequence Length	1047
Applicable Applications for anti-Npr2 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	MOUSE
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.
Cellular Location	Membrane; Single-pass type I membrane protein
Tissue Location	Widely expressed. Expressed in the columnar proliferating and prehypertrophic chondrocyte layers of the tibia
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Anti-Mouse Npr2 Antibody (Center) at 1:1000 dilution + mouse heart lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 117 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-Npr2 antibody	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.
Product Categories/Family for anti-Npr2 antibody	Cardiovascular; Signal Transduction
References	Zhang, M., et al. Science 330(6002):366-369(2010) Sogawa, C., et al. Am. J. Pathol. 177(2):822-828(2010) Zhao, Z., et al. Proc. Natl. Acad. Sci. U.S.A. 106(42):18016-18021(2009) Schmidt, H., et al. Proc. Natl. Acad. Sci. U.S.A. 106(39):16847-16852(2009) Yoder, A.R., et al. Peptides 29(9):1575-1581(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	28916675
NCBI GeneID	230103
NCBI Accession #	NP_776149.1
NCBI GenBank Nucleotide #	NM_173788.3
UniProt Accession #	Q6V VW5; Q6V VW3; Q6V VW4; Q8CGA9; B1AWI8
Molecular Weight	117060
NCBI Official Full Name	atrial natriuretic peptide receptor 2
NCBI Official Synonym Full Names	natriuretic peptide receptor 2
NCBI Official Symbol	Npr2
NCBI Official Synonym Symbols	cn; pwe; GC-B; GC-B2; GC-B3; mNPR-B
NCBI Protein Information	atrial natriuretic peptide receptor 2
UniProt Protein Name	Atrial natriuretic peptide receptor 2
UniProt Gene Name	Npr2
UniProt Synonym Gene Names	ANP-B; ANPR-B; NPR-B; GC-B
UniProt Entry Name	ANPRB_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/npr2-antibody-western-blot-elisa/288099>