

Mouse Npr2 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14253c**Specification**

Mouse Npr2 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O6VWW5
Other Accession	P16067 , NP_776149.1
Reactivity	Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	117060
Antigen Region	480-509

Mouse Npr2 Antibody (Center) - Additional Information**Gene ID** 230103**Other Names**

Atrial natriuretic peptide receptor 2, Atrial natriuretic peptide receptor type B, ANP-B, ANPR-B, NPR-B, Guanylate cyclase B, GC-B, Npr2

Target/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.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Mouse Npr2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Npr2 Antibody (Center) - Protein Information**Name** Npr2

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

Cell membrane {ECO:0000250|UniProtKB:P20594}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P20594}

Tissue Location

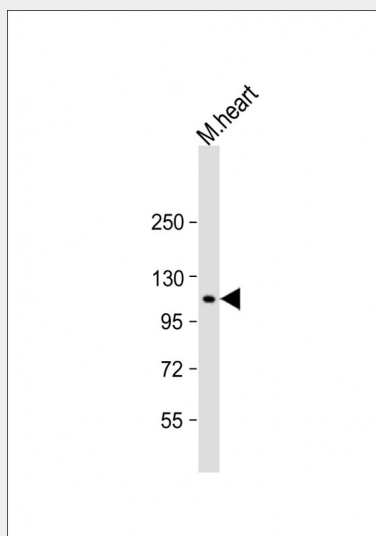
Widely expressed. Expressed in the columnar proliferating and prehypertrophic chondrocyte layers of the tibia

Mouse Npr2 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Mouse Npr2 Antibody (Center) - Images



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

Mouse Npr2 Antibody (Center) - Background

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.

Mouse Npr2 Antibody (Center) - 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)