

ANPRB/NRP2 Rabbit mAb

Catalog No.: A19255 **Recombinant** **1 Publications**

Basic Information

Observed MW

130kDa

Calculated MW

117kDa

Category

Primary antibody

Applications

ELISA,WB

Cross-Reactivity

Mouse

CloneNo number

ARC2421

Background

This gene 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. The protein is the primary receptor for C-type natriuretic peptide (CNP), which upon ligand binding exhibits greatly increased guanylyl cyclase activity. Mutations in this gene are the cause of acromesomelic dysplasia Maroteaux type.

Recommended Dilutions

WB 1:500 - 1:1000

Immunogen Information

Gene ID

4882

Swiss Prot

P20594

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 800-900 of human ANPRB/NRP2 (P20594).

Synonyms

GCB; AMD1; AMDM; ANPb; ECDM; GC-B; NPRB; SNSK; ANPRB; GUC2B; NPRBi; GUCY2B; ANPRB/NRP2

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

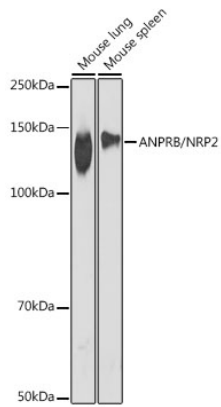
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using ANPRB/NRP2 Rabbit mAb (A19255) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.