

ANPRB/NRP2 (AB2634) Rabbit mAb

M1745

Key Features

Host Species

- Rabbit

Reactivity

- Mouse

Applications

- WB, ELISA

MW

- 117 kDa (calculated)
- 117 kDa (observed)

Isotype

- IgG

Recommended Dilution Ratios

Application

WB, ELISA

Dilution

WB, 1:500-1:1000 | ELISA, Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.

Storage

Storage Conditions

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

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.02% sodium azide.

Basic Information

Clonality Monoclonal

Clone Number AB2634

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

Specificity This antibody detects endogenous levels of ANPRB/NRP2 protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name NPR2

Protein Name ANPRB/NRP2

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P20594	4882

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.