

NPR2 rabbit monoclonal antibody

Catalog # H00004882-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human NPR2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human NPR2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human NPR2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — NPR2

Entrez GeneID	4882
GeneBank Accession#	NPR2
Gene Name	NPR2
Gene Alias	AMDM, ANPRB, GUC2B, GUCY2B, NPRB, NPRBi
Gene Description	natriuretic peptide receptor B/guanylate cyclase B (atrionatriuretic peptide receptor B)
Omim ID	108961 602875
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000021345 OTTHUMP00000045390 atrial natriuretic peptide B-type receptor guanylate cyclase B natriuretic peptide receptor B

Pathway

- [Purine metabolism](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Hypertension](#)
- [Mental Disorders](#)
- [Myocardial Infarction](#)
- [Ventricular Dysfunction](#)