

APLNR rabbit monoclonal antibody

Catalog # H00000187-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human APLNR peptide using ARM Technology.
Immunogen	A synthetic peptide of human APLNR 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 APLNR 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 — APLNR

Entrez GeneID [187](#)

GeneBank Accession# [APLNR](#)

Gene Name APLNR

Gene Alias AGTRL1, APJ, APJR, FLJ90771, MGC45246

Gene Description apelin receptor

Omim ID [600052](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the G protein-coupled receptor gene family. The encoded protein is related to the angiotensin receptor, but is actually an apelin receptor that inhibits adenylate cyclase activity and plays a counter-regulatory role against the pressure action of angiotensin II by exerting hypertensive effect. It functions in the cardiovascular and central nervous systems, in glucose metabolism, in embryonic and tumor angiogenesis and as a human immunodeficiency virus (HIV-1) coreceptor. Two transcript variants resulting from alternative splicing have been identified. [provided by RefSeq]

Other Designations APJ (apelin) receptor|angiotensin II receptor-like 1|angiotensin receptor-like 1

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Atherosclerosis](#)
- [Brain Infarction](#)
- [Cardiomyopathy](#)
- [Coronary Artery Disease](#)
- [Disease Progression](#)

- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Stroke](#)