EDN3 rabbit monoclonal antibody

Catalog # H00001908-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human EDN3 peptide using ARM Technology.
Immunogen	A synthetic peptide of human EDN3 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 EDN3 peptide by ELISA and mammalian transfected lysate by We stern 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 in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — EDN3

Entrez GeneID	1908
GeneBank Accession#	EDN3
Gene Name	EDN3
Gene Alias	ET3, MGC15067, MGC61498
Gene Description	endothelin 3
Omim ID	131242 142623 209880 277580
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the endothelin family. Endothelins are endotheli um-derived vasoactive peptides involved in a variety of biological functions. The active form of thi s protein is a 21 amino acid peptide processed from the precursor protein. The active peptide is a ligand for endothelin receptor type B (EDNRB). The interaction of this endothelin with EDNRB is essential for development of neural crest-derived cell lineages, such as melanocytes and enteric n eurons. Mutations in this gene and EDNRB have been associated with Hirschsprung disease (HS CR) and Waardenburg syndrome (WS), which are congenital disorders involving neural crest-deri ved cells. Four alternatively spliced transcript variants encoding three distinct isoforms have been observed. [provided by RefSeq
Other Designations	OTTHUMP00000031420|truncated endothelin 3

Pathway

- Hypertrophic cardiomyopathy (HCM)
- Neuroactive ligand-receptor interaction
- Vascular smooth muscle contraction

Disease

- Cardiovascular Diseases
- Cystic Fibrosis

- Diabetes Mellitus
- Down Syndrome
- Edema
- Genetic Predisposition to Disease
- Hirschsprung Disease
- Sleep Apnea