SLC9A3R1 rabbit monoclonal antibody

Catalog # H00009368-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human SLC9A3R1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human SLC9A3R1 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 SLC9A3R1 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 — SLC9A3R1

Entrez GeneID	9368
GeneBank Accession#	SLC9A3R1
Gene Name	SLC9A3R1
Gene Alias	EBP50, NHERF, NHERF1, NPHLOP2
Gene Description	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1
Omim ID	604990
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a sodium/hydrogen exchanger regulatory cofactor. The protein interacts with and regulates various proteins including the cystic fibrosis transmembrane conductance regulator and G-protein coupled receptors such as the beta2-adrenergic receptor and the parathyroid hormone 1 receptor. The protein also interacts with proteins that function as linkers between integral membrane and cytoskeletal proteins. The protein localizes to actin-rich structures including membrane ruffles, microvilli, and filopodia. Mutations in this gene result in hypophosphatemic nephrolithiasis/osteoporosis type 2, and loss of heterozygosity of this gene is implicated in breast cancer
Other Designations	sodium/hydrogen exchanger regulatory factor 1|solute carrier family 9 (sodium/hydrogen exchanger), isoform 3 regulatory factor 1

Disease

- Asthma
- Crohn Disease
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Immune System Diseases
- Inflammation
- Psoriasis