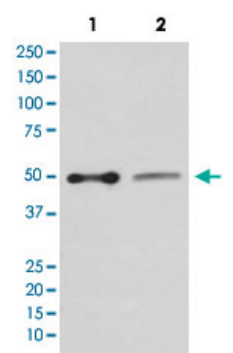
SLC9A3R1 monoclonal antibody, clone IIH-19

Catalog # MAB20002 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of Lane 1: HepG2 and Lane 2: PC12 cell lysates with SLC9A3R1 monoclonal antibody, clone IIH-19 (Cat # MAB20002).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human SLC9A3R1.
Immunogen	A synthetic peptide corresponding to human SLC9A3R1.
Host	Rabbit
Theoretical MW (kDa)	38.868
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western Blot analysis of Lane 1: HepG2 and Lane 2: PC12 cell lysates with SLC9A3R1 monoclonal antibody, clone IIH-19 (Cat # MAB20002).

- Immunohistochemistry

Gene Info — SLC9A3R1

Entrez GeneID	9368
Protein Accession#	O14745
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 a nd regulates various proteins including the cystic fibrosis transmembrane conductance regulator a nd G-protein coupled receptors such as the beta2-adrenergic receptor and the parathyroid hormo ne 1 receptor. The protein also interacts with proteins that function as linkers between integral me mbrane and cytoskeletal proteins. The protein localizes to actin-rich structures including membran e ruffles, microvilli, and filopodia. Mutations in this gene result in hypophosphatemic nephrolithiasi s/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 exchang er), isoform 3 regulatory factor 1

Disease

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