

For Research Use Only

NHE1 Recombinant monoclonal antibody

Catalog Number: 87385-1-RR



Basic Information

Catalog Number:

87385-1-RR

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC012121

GeneID (NCBI):

6548

UNIPROT ID:

P19634

Full Name:

solute carrier family 9
(sodium/hydrogen exchanger),
member 1

Calculated MW:

815 aa, 91 kDa

Observed MW:

90-100 kDa

Purification Method:

Protein A purification

CloneNo.:

252542A1

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : NCI-H1299 cells, HEK-293 cells, Jurkat cells,
NIH/3T3 cells, mouse brain tissue, rat brain tissue

Background Information

NHE1, also named as SLC9A1, encodes an Na⁺/H⁺ antiporter that is a membrane-bound enzyme involved in regulating pH of vertebrate cells. NHE1 regulates a number of cell behaviors, including adhesion, shape determination, migration, and proliferation (PMID:11807182). It is inhibited by the non-specific diuretic drug amiloride and activated by growth factors, mitogens, neurotransmitters, tumor promoters, and others (PMID: 2846238). NHE1 is expressed in heart where it contributes to cardiomyocyte pH homeostasis (PMID: 12832126, PMID: 23709596).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

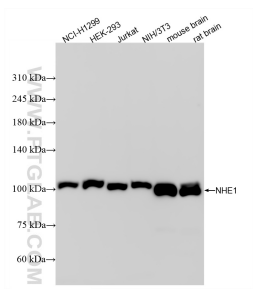
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87385-1-RR (NHE1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.