

For Research Use Only

NHE1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87385-1-PBS



Basic Information

Catalog Number:

87385-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

Storage Buffer:

PBS only, pH7.3

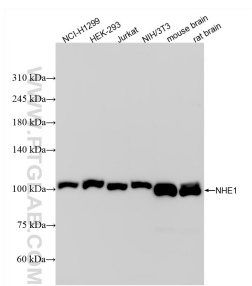
For technical support and original validation data for this product please contact:

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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. This data was developed using the same antibody clone with 87385-1-PBS in a different storage buffer formulation.