

NHERF-2 Polyclonal Antibody

Catalog No: YT5676

Reactivity: Human; Mouse; Rat

Applications: WB;ELISA

Target: NHERF-2

Fields: >>Aldosterone-regulated sodium reabsorption

Gene Name: SLC9A3R2

Protein Name : Na(+)/H(+) exchange regulatory cofactor NHE-RF2

Human Gene Id: 9351

Human Swiss Prot

Q15599

No:

Mouse Gene ld: 65962

Mouse Swiss Prot

Q9JHL1

No:

Rat Gene Id: 116501

Rat Swiss Prot No: Q920G2

Immunogen: Synthesized peptide derived from NHERF-2 . at AA range: 20-100

Specificity: NHERF-2 Polyclonal Antibody detects endogenous levels of NHERF-2 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

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chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 37kD

Cell Pathway: Aldosterone-regulated sodium reabsorption;

Background: This gene encodes a member of the NHERF family of PDZ scaffolding proteins.

These proteins mediate many cellular processes by binding to and regulating the membrane expression and protein-protein interactions of membrane receptors and transport proteins. The encoded protein plays a role in intestinal sodium absorption by regulating the activity of the sodium/hydrogen exchanger 3, and may also regulate the cystic fibrosis transmembrane regulator (CFTR) ion channel. Alternatively spliced transcript variants encoding multiple isoforms have

been observed for this gene. [provided by RefSeq, Nov 2011],

Function: function:Scaffold protein that connects plasma membrane proteins with

members of the ezrin/moesin/radixin family and thereby helps to link them to the actin cytoskeleton and to regulate their surface expression. Necessary for cAMP-mediated phosphorylation and inhibition of SLC9A3. May also act as scaffold protein in the nucleus., similarity: Contains 2 PDZ (DHR) domains., subcellular location: Nuclear, in a punctate pattern., subunit: Homodimer, and heterodimer with SLC9A3R1. Binds PODXL and PDZK1 (By similarity). Binds ADRB2, SLC9A3, P2RY1, P2YR2, SRY, RDX and LPAR2., tissue specificity: Widely expressed.,

Subcellular Location:

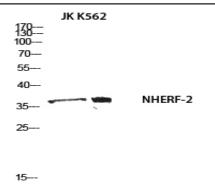
Endomembrane system; Peripheral membrane protein. Nucleus. Apical cell membrane. Localizes with EZR and PODXL at the apical cell membrane of glomerular epithelium cells and the sides of the food processes (By similarity).

Nuclear, in a punctate pattern. .

Expression: Widely expressed.

Products Images

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Western blot analysis of JK K562 using NHERF-2 antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000