

## **Anti-NHRF1** antibody



**Description** Unconjugated Rabbit polyclonal to NHRF1

Model STJ193028

**Host** Rabbit

**Reactivity** Human

**Applications** ELISA, WB

**Gene ID** 9368

Gene Symbol SLC9A3R1

**Dilution range** WB 1:500-2000 ELISA 1:5000-20000

**Specificity** NHRF1 Polyclonal Antibody detects endogenous levels of protein.

**Tissue Specificity** Detected in liver, kidney, pancreas, prostate, spleen, small intestine and

placenta, in particular in the syncytiotrophoblast.

**Purification** NHRF1 antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

**Note** For Research Use Only (RUO).

**Protein Name** Na +/H + exchange regulatory cofactor NHE-RF1 NHERF-1 Ezrin-radixin-

moesin-binding phosphoprotein 50 EBP50 Regulatory cofactor of Na +/H +

exchanger Sodium-hydrogen exchanger regulatory factor 1

Molecular Weight 39 kDa

**Clonality** Polyclonal

**Conjugation** Unconjugated

**Isotype** IgG

**Formulation** Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.

**Concentration** 1 mg/ml

**Storage Instruction** Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links <u>HGNC:11075OMIM:604990</u>

Alternative Names Na +/H + exchange regulatory cofactor NHE-RF1 NHERF-1 Ezrin-radixin-

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**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 recycling of internalized ADRB2. Was first known to play a role in the regulation of the activity and subcellular location of SLC9A3. Necessary for cAMP-mediated phosphorylation and inhibition of SLC9A3. May enhance Wnt signaling. May participate in HTR4 targeting to microvilli . Involved in the regulation of phosphate reabsorption in the renal proximal tubules. Involved in sperm capacitation. May participate in the regulation of the chloride and bicarbonate

homeostasis in spermatozoa.

**Cellular Localization** Cytoplasm Apical cell membrane Endomembrane system. Peripheral

membrane protein. Cell projection, filopodium. Cell projection, ruffle. Cell projection, microvillus. Translocates from the cytoplasm to the apical cell membrane in a PODXL-dependent manner. Colocalizes with CFTR at the midpiece of sperm tail . Colocalizes with actin in microvilli-rich apical regions of the syncytiotrophoblast. Found in microvilli, ruffling membrane

and filopodia of HeLa cells. Present in lipid rafts of T-cells.

Post-translational Modifications

Phosphorylated on serine residues.

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