

Anti-NHERF1 antibody



Description	Unconjugated Rabbit polyclonal to NHERF1
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	NHERF1 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	NHERF1 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	HGNC:11075OMIM:604990
Alternative Names	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
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.