

Rabbit SLC9A3R2 Polyclonal Antibody | anti-SLC9A3R2 antibody

SLC9A3R2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324865	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

SLC9A3R2; Polyclonal Antibody; SLC9A3R2 Antibody; E3KARP; HGNC:11076; Isoform 3 regulator 2; Isoform 3 regulatory factor 2; MGC104639; Na(+)/H(+) exchange regulatory cofactor NHE RF2; Na(+)/H(+) exchange regulatory cofactor NHE-RF2; NHE3 kinase A regulatory protein; NHE3 kinase A regulatory protein E3KARP; NHE3 regulatory factor 2; NHE3RF2; NHERF 2; NHERF-2; NHERF2; NHRF2_HUMAN; OCTS2; SIP 1; SIP-1; SIP1; Slc9a3r2; Sodium hydrogen exchanger regulatory factor 2; Sodium-hydrogen exchanger regulatory factor 2; Sodium/hydrogen exchanger; Sodium/hydrogen exchanger regulatory factor 2; Solute carrier family 9 (sodium/hydrogen exchanger); Solute carrier family 9 (sodium/hydrogen exchanger) isoform 3 regulator 2; Solute carrier family 9 (sodium/hydrogen exchanger) isoform 3 regulatory factor 2; Solute carrier family 9 (sodium/hydrogen exchanger) member 3 regulator 2; Solute carrier family 9 isoform 3 regulator 2; Solute carrier family 9 isoform A3 regulatory factor 2; SRY interacting protein 1; SRY-interacting protein 1; TKA 1; TKA-1; TKA1; Tyrosine kinase activator protein 1; anti-SLC9A3R2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SLC9A3R2 antibody detects endogenous levels of total SLC9A3R2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	337
Applicable Applications for anti-SLC9A3R2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Endomembrane System. 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.
Tissue Specificity	Widely expressed.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Rabbit (92%), Dog (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from JK cells using SLC9A3R2 antibody.



IF (Immunofluorescence)

AAA324865 staining JK by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC9A3R2 antibody	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 (PubMed:18829453). May also act as scaffold protein in the nucleus. Subunit Structure: Homodimer, and heterodimer with SLC9A3R1. Binds PDZK1. Found in a complex with EZR, PODXL and SLC9A3R2 (By similarity). Interacts (via the PDZ domains) with PODXL (via the C-terminal PDZ-binding motif DTHL); interaction is detected in glomerular epithelium cells (By similarity). Binds ADRB2, SLC9A3, P2RY1, P2YR2, SRY, RDX and LPAR2. Interacts with MCC and PODXL. Interacts with SGK1 and KCNJ1/ROMK1. Interacts (via the PDZ domains) with SLC26A6 isoform 4 and isoform 5.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194018553
NCBI GeneID	9351
NCBI Accession #	NP_001123484.1
NCBI GenBank Nucleotide #	NM_001130012.2
UniProt Accession #	Q15599; O00272; O00556; Q3KQY7; D3DU84; D3DU85; H3BSV6
Molecular Weight	Observed: 37 kD Predicted: 38 kDa
NCBI Official Full Name	Na(+)/H(+) exchange regulatory cofactor NHE-RF2 isoform a
NCBI Official Synonym Full Names	SLC9A3 regulator 2
NCBI Official Symbol	SLC9A3R2
NCBI Official Synonym Symbols	SIP1; OCTS2; SIP-1; TKA-1; E3KARP; NHERF2; NHE3RF2; NHERF-2
NCBI Protein Information	Na(+)/H(+) exchange regulatory cofactor NHE-RF2
UniProt Protein Name	Na(+)/H(+) exchange regulatory cofactor NHE-RF2
UniProt Gene Name	SLC9A3R2
UniProt Synonym Gene Names	NHERF2; NHERF-2; SIP-1; TKA-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.