SLC9A3R2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLC9A3R2, Polyclonal Antibody
Full Product Name	SLC9A3R2 Antibody, FITC conjugated
Product Gene Name	anti-SLC9A3R2 antibody
Product Synonym Names	Na(+)/H(+) exchange regulatory cofactor NHE-RF2; NHERF-2; NHE3 kinase A regulatory protein E3KARP; SRY-interacting protein 1; SIP-1; Sodium-hydrogen exchanger regulatory factor 2; Solute carrier family 9 isoform A3 regulatory factor 2; Tyrosine kinase activator protein 1; TKA-1; SLC9A3R2; NHERF2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: SLC9A3R2 (MBS7048834) FITC Conjugated Antibody: SLC9A3R2 (MBS7048836)
Molecular Weight	24,718 Da
OMIM	U82108 mRNA
3D Structure	ModBase 3D Structure for Q15599
Immunogen	Recombinant Human Na(+)/H(+) exchange regulatory cofactor NHE-RF2 protein (106-313AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	FITC
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-21115 / sc-21116 / sc-21117 / sc-33615
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SLC9A3R2 antibody	ELISA (EIA)
Related Product Information for anti-SLC9A3R2 antibody	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.
Other Notes	Small volumes of anti-SLC9A3R2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SLC9A3R2 purchase	MBS7048836 is an antibody targeting SLC9A3R2. Also known as SLC9A3R2 Antibody, FITC conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC9A3R2. It may not necessarily be applicable to this product.

NCBI GI #	194018553
NCBI GeneID	9351
NCBI Accession #	NP_001123484.1
UniProt Primary Accession #	Q15599
UniProt Secondary Accession #	O00272; O00556; Q3KQY7; D3DU84; D3DU85; H3BSV6
UniProt Related Accession #	Q15599
GenBank Nucleotide #	NM_001130012.2
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
UniProt Protein Name	Na(+)/H(+) exchange regulatory cofactor NHE-RF2
UniProt Synonym Protein Names	NHE3 kinase A regulatory protein E3KARP; SRY-interacting protein 1; SIP-1; Sodium-hydrogen exchanger regulatory factor 2; Solute carrier family 9 isoform A3 regulatory factor 2; Tyrosine kinase activator protein 1; TKA-1
Protein Family	Na(+)/H(+) exchange regulatory cofactor
UniProt Gene Name	SLC9A3R2
UniProt Synonym Gene Names	NHERF2; NHERF-2; SIP-1; TKA-1
UniProt Entry Name	NHRF2_HUMAN
NCBI Protein Information	Na(+)/H(+) exchange regulatory cofactor NHE-RF2
NCBI Summary for SLC9A3R2	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]
UniProt Comments for SLC9A3R2	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.
Research Articles on SLC9A3R2	**1.** Moreover, the S303D mutation enhances the in vivo dynamics of the E3KARP tail alone, whereas in vitro the interaction of E3KARP with active ezrin is unaffected by S303D
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