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SLC9A3R2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18832c

Specification

SLC9A3R2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q15599

SLC9A3R2 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 9351

Other 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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SLC9A3R2 Antibody (Center) Blocking Peptide - Protein Information

Name NHERF2 (HGNC:11076)

Synonyms SLC9A3R2

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.

Cellular Location
Endomembrane system; Peripheral membrane protein. Nucleus. Apical cell membrane Note=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 Location
Widely expressed.

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SLC9A3R2 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

SLC9A3R2 Antibody (Center) Blocking Peptide - Images

SLC9A3R2 Antibody (Center) Blocking Peptide - Background

NHE3 (SLC9A3; MIM 182307) is a sodium/hydrogen exchangerin the brush border membrane of the proximal tubule, smallintestine, and colon that plays a major role in transepithelialsodium absorption. SLC9A3R2, as well as SLC9A3R1 (MIM 604990) andprotein kinase A phosphorylation, may play a role in NHE3regulation.

SLC9A3R2 Antibody (Center) Blocking Peptide - References

Padanyi, R., et al. J. Biol. Chem. 285(41):31704-31712(2010)Wang, B., et al. J. Biol. Chem. 285(35):26976-26986(2010)Arnaud, C., et al. FEBS Lett. 583(14):2326-2332(2009)Huang, F.D., et al. Placenta 30(2):187-194(2009)Theisen, C.S., et al. Mol. Biol. Cell 18(4):1220-1232(2007)