

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

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**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: <http://www.uniprot.org/citations/18829453> target="\_blank">18829453</a>). 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 foot processes (By similarity). Nuclear, in a punctate pattern.

**Tissue Location**

Widely expressed.

## **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 exchanger in the brush border membrane of the proximal tubule, small intestine, and colon that plays a major role in transepithelial sodium absorption. SLC9A3R2, as well as SLC9A3R1 (MIM 604990) and protein kinase A phosphorylation, may play a role in NHE3 regulation.

## **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)