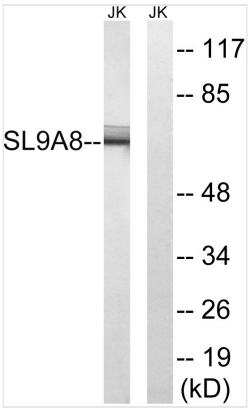
SLC9A8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLC9A8, Polyclonal Antibody
Full Product Name	SLC9A8 Antibody
Product Gene Name	anti-SLC9A8 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	SLC9A8 Antibody detects endogenous levels of total SLC9A8 protein.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	64 kDa
OMIM	AB023156 mRNA
3D Structure	ModBase 3D Structure for Q9Y2E8
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human SLC9A8.
Immunogen Range	451-500
Applications Tested/Suitable for anti-SLC9A8 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-SLC9A8 antibody	WB: 1:500~1:1000 ELISA: 1:40000
Related Product Information for anti-SLC9A8 antibody	MBS9506966 is an antibody targeting SLC9A8. Also known as SLC9A8 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-SLC9A8 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.



Western Blot (WB) of anti-SLC9A8 antibody
Western blot analysis of lysates from Jurkat cells, using SLC9A8 Antibody. The lane on the right is blocked with the synthesized peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC9A8. It may not necessarily be applicable to this product.

NCBI GI #	386781486
NCBI GeneID	23315
NCBI Accession #	NP_001247420.1
UniProt Primary Accession #	Q9Y2E8
UniProt Secondary Accession #	Q2M1U9; Q68CZ8; Q9BX15; Q9Y507; B4DTQ8
UniProt Related Accession #	Q9Y2E8
GenBank Nucleotide #	NM_001260491.1
NCBI Official Full Name	sodium/hydrogen exchanger 8 isoform 1
NCBI Official Synonym Full Names	solute carrier family 9 member A8
NCBI Official Symbol	SLC9A8
NCBI Official Synonym Symbols	NHE8; NHE-8
UniProt Protein Name	Sodium/hydrogen exchanger 8
UniProt Synonym Protein Names	Na(+)/H(+) exchanger 8; NHE-8; Solute carrier family 9 member 8
UniProt Gene Name	SLC9A8
UniProt Synonym Gene Names	KIAA0939; NHE8; NHE-8
NCBI Protein Information	sodium/hydrogen exchanger 8
NCBI Summary for SLC9A8	Sodium-hydrogen exchangers (NHEs), such as SLC9A8, are integral transmembrane proteins that exchange extracellular Na+ for intracellular H+. NHEs have multiple functions, including intracellular pH homeostasis, cell volume regulation, and electroneutral NaCl absorption in epithelia (Xu et al., 2008 [PubMed 18209477]).[supplied by OMIM, Apr 2009]
UniProt Comments for SLC9A8	Involved in pH regulation to eliminate acids generated by active metabolism or to counter adverse environmental conditions. Major proton extruding system driven by the inward sodium ion chemical gradient. Plays an important role in signal transduction.
Research Articles on SLC9A8	**1.** work has uncovered a crucial role of NHE8 in acrosome biogenesis and suggests that some forms of human globozoospermia might be caused by a loss of function of this Na(+)/H(+) exchanger.

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