

Anti-NHE-9 (Sodium/hydrogen exchanger 9 (Na⁺)/H⁺ exchanger 9) Polyclonal Antibody

Cat. #: 60B672

Description:

NHE-9 (Sodium/hydrogen exchanger 9 (Na⁺)/H⁺ exchanger 9) may act in electroneutral exchange of protons for Na⁺ across membranes. NHE-9 is an integral membrane protein. Four isoforms of the Na⁺/H⁺ exchanger (NHE6-NHE9) are distributed to intracellular compartments in human cells. They are localized to Golgi and post-Golgi endocytic compartments as follows: mid- to trans-Golgi, NHE8; trans-Golgi network, NHE7; early recycling endosomes, NHE6; and late recycling endosomes, NHE9. The intracellular localization of the NHEs is established by the balance of transport in and out of the post-Golgi compartments as the dynamic membrane trafficking. Their in vivo function is to regulate the pH and monovalent cation concentration in these organelles.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of mouse NHE-9 (Sodium/hydrogen exchanger 9 (Na⁺)/H⁺ exchanger 9)

References

Nakamura, N., et al, J. Biol. Chem. 280 (2), 1561-1572 (2005)
de Silva, M.G., et al, J. Med. Genet. 40 (10), 733-740 (2003)

Species: mouse

Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)