

SLC4A7 polyclonal antibody

Catalog: BS60770

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

SLC4A7 (solute carrier family 4 member 7), also known as sodium bicarbonate cotransporter 3, is a 1,214 amino acid multi-pass membrane protein that mediates the movement of sodium and bicarbonate across the cell membrane. Studies in mice have shown that hydrogen ion disposal mediated by SLC4A7 is essential for auditory and visual systems, therefore, defects in the gene encoding SLC4A7 may result in the human manifestation of Usher syndrome, a leading cause of deafblindness. With highest expression in spleen and testis, SLC4A7 is also expressed in a variety of other tissues, including brain, skeletal muscle and heart. Due to its critical role in intracellular pH regulation, SLC4A7 is notably affected by hypoxic states during which protein levels are decreased, presumably for reduction of energy consumption. There are five isoforms of SLC4A7 that exist as a result of alternative splicing events.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 136 kDa

Swiss-Prot:

Q9Y6M7

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

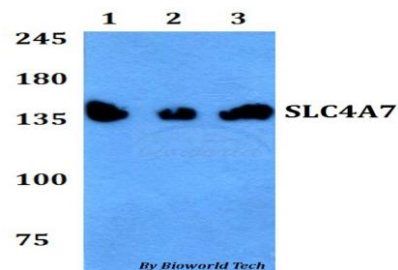
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

SLC4A7 polyclonal antibody detects endogenous levels of SLC4A7 protein.

DATA:



Western blot (WB) analysis of SLC4A7 polyclonal antibody at 1:500 dilution

Lane1:A549 whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:PC12 whole cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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