

SLC24A2 polyclonal antibody

Catalog: BS60252

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

NCKX2, also designated solute carrier family 24, member 2 (SLC24A2), belongs to a family of potassium-dependent sodium/calcium exchangers, all of which contain two large hydrophilic loops and two sets of multiple transmembrane-spanning segments. NCKX2 is expressed in neurons throughout the brain, with high expression found in cone photoreceptors in the retina as well as hippocampal pyramidal cells and the deep nuclei of the cerebellum. A critical component in the process of light adaptation, NCKX2 transports one calcium ion and one potassium ion in exchange for four sodium ions, thereby controlling calcium concentration in the eye during light and darkness. Additionally, NCKX2 regulates calcium levels in other cellular locations that experience rapid calcium fluxes, such as neuronal synapses. Inactivation of NCKX2 is believed to be an important regulatory mechanism in the control of sodium and calcium levels under different physiological conditions.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 74 kDa

Swiss-Prot:

Q9UI40

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

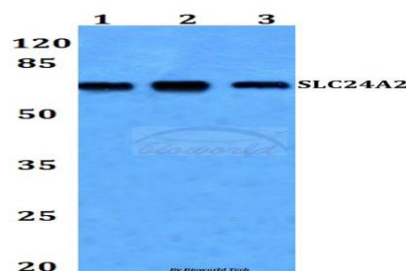
Storage&Stability:

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

Specificity:

SLC24A2 polyclonal antibody detects endogenous levels of SLC24A2 protein.

DATA:



Western blot (WB) analysis of SLC24A2 polyclonal antibody at 1:500 dilution

Lane1:MCF-7 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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