



PRODUCT DATA SHEET

Bioworld Technology, Inc.

SLC46A1 polyclonal antibody

Catalog: BS35329

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Proton-coupled folate symporter that mediates folate absorption using an H(+) gradient as a driving force . Involved in the intestinal absorption of folates at the brush-border membrane of the proximal jejunum, and the transport from blood to cerebrospinal fluid across the choroid plexus . Functions at acidic pH via alternate outward- and inward-open conformation states . Protonation of residues in the outward open state primes the protein for transport . Binding of folate promotes breaking of salt bridge network and subsequent closure of the extracellular gate, leading to the inward-open state and release of protons and folate . Also able to transport antifolate drugs, such as methotrexate and pemetrexed, which are established treatments for cancer and autoimmune diseases . Involved in FOLR1-mediated endocytosis by serving as a route of export of folates from acidified endosomes . Al...

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~49.8 kDa

Swiss-Prot:

Q96NT5

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

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:

Recognizes endogenous levels of SLC46A1 protein

DATA:

Western blot analysis of FGF4 expression in recombinant protein (A) whole cell lysates.

Note:

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

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