



PRODUCT DATA SHEET

Bioworld Technology, Inc.

SLC8B1 polyclonal antibody

Catalog: BS35387

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Mitochondrial sodium/calcium antiporter that mediates sodium-dependent calcium efflux from mitochondrion, by mediating the exchange of 3 sodium ions per 1 calcium ion . Plays a central role in mitochondrial calcium homeostasis by mediating mitochondrial calcium extrusion: calcium efflux is essential for mitochondrial function and cell survival, notably in cardiomyocytes (By similarity). Mitochondrial calcium export is ph-dependent (By similarity). Regulates rates of glucose-dependent insulin secretion in pancreatic beta-cells during the first phase of insulin secretion: acts by mediating efflux of calcium from mitochondrion, thereby affecting cytoplasmic calcium responses . Required for store-operated Ca^{2+} entry (SOCE) and Ca^{2+} release-activated Ca^{2+} (CRAC) channel regulation: sodium transport by SLC8B1 leads to promote calcium-shuttling that modulates mitochondrial redox status...

Product:

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

Molecular Weight:

~64.2 kDa

Swiss-Prot:

Q6J4K2

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200), IF/ICC (1/50 - 1/200)

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 SLC8B1 protein

DATA:

Western blot analysis of MPZL1 expression in HeLa (A), mouse brain (B) whole cell lysates.

Note:

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

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