



PRODUCT DATA SHEET

Bioworld Technology, Inc.

SLC7A7 polyclonal antibody

Catalog: BS34040

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Y+L amino acid transporter 1: Heterodimer with SLC3A2, that functions as an antiporter which operates as an efflux route by exporting cationic amino acids from inside the cells in exchange with neutral amino acids plus sodium ions and may participate in nitric oxide synthesis via the transport of L-arginine. Also mediates arginine transport in non-polarized cells, such as monocytes, and is essential for the correct function of these cells. The transport mechanism is electroneutral and operates with a stoichiometry of 1:1 (By similarity). In vitro, Na(+) and Li(+), but also H(+), are cotransported with the neutral amino acids (By similarity)

Product:

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

Molecular Weight:

~56.0 kDa

Swiss-Prot:

Q9UM01

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 SLC7A7 protein

DATA:

Western blot analysis of Glutamine Synthetase expression in K562 (A), rat kidney (B), rat muscle (C), rat liver (D) whole cell lysates.

Immunohistochemical analysis of Glutamine Synthetase staining in rat Heart formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

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

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