

**SLC7A10 polyclonal antibody**

Catalog: BS32915

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Asc-type amino acid transporter 1: Associates with SLC3A2/4F2hc to form a functional heterodimeric complex that translocates small neutral L- and D-amino acids across the plasma membrane. Preferentially mediates exchange transport, but can also operate via facilitated diffusion (By similarity). Acts as a major transporter for glycine, L- and D-serine in the central nervous system. At the spinal cord and brainstem regulates glycine metabolism and glycinergic inhibitory neurotransmission by providing for glycine de novo synthesis from L-serine and glycine recycling from astrocytes to glycinergic motor neurons (By similarity). At Schaffer collateral-CA1 synapses mediates D-serine and glycine release that modulates post-synaptic activation of NMDA receptors and excitatory glutamatergic transmission (By similarity). May regulate D-serine release from mesenchymal progenitors located in developing subcutaneous adipose tissue...

Product:

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

Molecular Weight:

~56.8 kDa

Swiss-Prot:

Q9NS82

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 SLC7A10 protein

DATA:

Western blot analysis of HARS expression in T47D (A), NIH3T3 (B), COS7 (C), C6 (D), Hela (E) whole cell lysates.

Note:

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

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