

SLC6A12 polyclonal antibody

Catalog: BS60695

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

BGT-1, also known as sodium- and chloride-dependent betaine transporter, SLC6A12 (solute carrier family 6 member 12) or Na(+)/Cl(-) betaine/GABA transporter, is a 614 amino acid protein. As a multi-pass membrane protein, BGT-1 localizes to liver, heart, skeletal muscle and placenta and is widely distributed in brain. BGT-1 has the typical structure of neurotransmitter transporters, with twelve transmembrane domains and a large extracellular loop between the third and fourth transmembrane domains. BGT-1 transports betaine and GABA, and may have a role in regulation of GABAergic transmission in the brain through the reuptake of GABA into presynaptic terminals, as well as in osmotic regulation. BGT-1 is associated with mucus production in asthma, and could affect reversibility of lung function abnormalities in aspirin-intolerant asthma patients. BGT-1 displays significant functional differences from the other members of the GABA transporter family.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 69 kDa

Swiss-Prot:

P48065

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

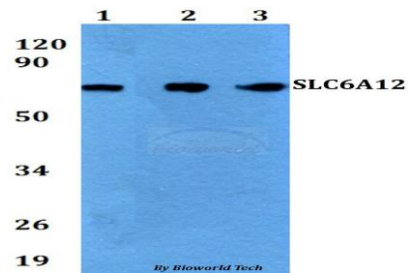
Storage&Stability:

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

Specificity:

SLC6A12 polyclonal antibody detects endogenous levels of SLC6A12 protein.

DATA:



Western blot (WB) analysis of SLC6A12 polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:sp2/0 whole cell lysate

Lane3:PC12 whole cell lysate

Note:

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

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