

SLC6A12 / BGT-1 Antibody (C-Terminus)
Goat Polyclonal Antibody
Catalog # ALS16102**Specification**

SLC6A12 / BGT-1 Antibody (C-Terminus) - Product Information

Application	WB
Primary Accession	P48065
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	69kDa KDa

SLC6A12 / BGT-1 Antibody (C-Terminus) - Additional Information**Gene ID** 6539**Other Names**

Sodium- and chloride-dependent betaine transporter, BGT-1, Na(+)/Cl(-) betaine/GABA transporter, Solute carrier family 6 member 12, SLC6A12

Target/Specificity

Human SLC6A12 / BGT-1. Reported variants represent identical protein: NP_001193860.1, NP_003035.3, NP_001116319.1, NP_001116320.1.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

SLC6A12 / BGT-1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC6A12 / BGT-1 Antibody (C-Terminus) - Protein Information**Name** SLC6A12 ([HGNC:11045](#))**Function**

Transporter that mediates cellular uptake of betaine and GABA in a sodium- and chloride-dependent process (PubMed:7589472). 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. Probably also involved in renal and hepatic osmotic regulation (By similarity).

Cellular Location

Basolateral cell membrane {ECO:0000250|UniProtKB:P31651}; Multi-pass membrane protein. Cell membrane {ECO:0000250|UniProtKB:P31651}; Multi-pass membrane protein. Note=In kidney, locates in basolateral membranes of renal medulla. In liver, locates in hepatocytes cell membrane. {ECO:0000250|UniProtKB:P31651}

Tissue Location

Expressed in kidney, liver, heart, skeletal muscle, placenta, and a widespread distribution in the brain

SLC6A12 / BGT-1 Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SLC6A12 / BGT-1 Antibody (C-Terminus) - Images

SLC6A12 antibody (1 ug/ml) staining of Human Olfactory bulb lysate (35 ug protein in RIPA buffer).

SLC6A12 / BGT-1 Antibody (C-Terminus) - Background

Transports betaine and GABA. 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.

SLC6A12 / BGT-1 Antibody (C-Terminus) - References

Rasola A., et al. FEBS Lett. 373:229-233(1995).
Borden L.A., et al. J. Neurochem. 64:977-984(1995).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Scherer S.E., et al. Nature 440:346-351(2006).
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