

**Anti-BGT-1 Antibody**  
**Rabbit polyclonal antibody to BGT-1**  
**Catalog # AP60143****Specification**

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**Anti-BGT-1 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P48065</a>
Other Accession	<a href="#">P31651</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	69368

**Anti-BGT-1 Antibody - 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

**Target/Specificity**

Recognizes endogenous levels of BGT-1 protein.

**Dilution**

WB~~WB (1/500 - 1/1000)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

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

Transporter that mediates cellular uptake of betaine and GABA in a sodium- and chloride-dependent process (PubMed:<a href="http://www.uniprot.org/citations/7589472" target="\_blank">7589472</a>). 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**

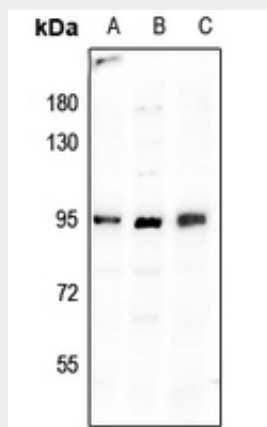
Expressed in kidney, liver, heart, skeletal muscle, placenta, and a widespread distribution in the brain

#### **Anti-BGT-1 Antibody - 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](#)

#### **Anti-BGT-1 Antibody - Images**



Western blot analysis of BGT-1 expression in NIH3T3 (A), LO2 (B), SGC7901 (C) whole cell lysates.

#### **Anti-BGT-1 Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human BGT-1. The exact sequence is proprietary.