

SBAT1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51523**Specification**

SBAT1 Antibody - Product Information

Application	WB, E
Primary Accession	O9H2J7
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	82 KDa

SBAT1 Antibody - Additional Information**Gene ID** 55117**Other Names**

Sodium-dependent neutral amino acid transporter B(0)AT2, Sodium- and chloride-dependent neurotransmitter transporter NTT73, Sodium-coupled branched-chain amino-acid transporter 1, Solute carrier family 6 member 15, Transporter v7-3, SLC6A15, B0AT2, NTT73, SBAT1

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

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

SBAT1 Antibody - Protein Information**Name** SLC6A15 ([HGNC:13621](#))**Function**

Functions as a sodium-dependent neutral amino acid transporter. Exhibits preference for the branched-chain amino acids, particularly leucine, valine and isoleucine and methionine. Can also transport low-affinity substrates such as alanine, phenylalanine, glutamine and pipecolic acid. Mediates the saturable, pH-sensitive and electrogenic cotransport of proline and sodium ions with a stoichiometry of 1:1. May have a role as transporter for neurotransmitter precursors into neurons. In contrast to other members of the neurotransmitter transporter family, does not appear to be chloride-dependent.

Cellular Location

Membrane; Multi-pass membrane protein

Tissue Location

Almost exclusively expressed in the brain.

SBAT1 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](#)

SBAT1 Antibody - Images

SBAT1 Antibody - Background

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SBAT1 Antibody - References

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Ota T., et al. Nat. Genet. 36:40-45(2004).
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Takanaga H., et al. Biochem. Biophys. Res. Commun. 337:892-900(2005).