

SBAT1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51523

Product Information

Application	WB
Primary Accession	Q9H2J7
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	81836

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
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human SBAT1. The exact sequence is proprietary.
Dilution	WB~~1:1000
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

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.

Background

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References

- Farmer M.K.,et al.Genomics 70:241-252(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Scherer S.E.,et al.Nature 440:346-351(2006).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
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