

Rabbit anti-Human SLC6A19 Polyclonal Antibody | anti-SLC6A19 antibody

SLC6A19 Antibody (C-Term)

CATALOG # AAA28802	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, ELISA
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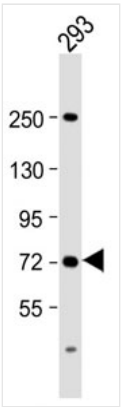
PRODUCT SYNONYMS

SLC6A19; Polyclonal Antibody; SLC6A19 Antibody (C-Term); Sodium-dependent neutral amino acid transporter B(0)AT1; Solute carrier family 6 member 19; System B(0) neutral amino acid transporter AT1; B0AT1; anti-SLC6A19 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SLC6A19 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 544-575 amino acids from human SLC6A19.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	634
Applicable Applications for anti-SLC6A19 antibody	WB (Western Blot), ELISA
Application Notes	WB:~1:2000
Function	Transporter that mediates resorption of neutral amino acids across the apical membrane of renal and intestinal epithelial cells (PubMed: 19185582 , PubMed:18484095, PubMed: 26240152). This uptake is sodium-dependent and chlorideindependent (PubMed: 15286788 , PubMed:19185582). Required CLTRN in kidney or ACE2 in intestine for cell surface expression and amino acid transporter activity (PubMed: 19185582).
Cellular Location	Cell membrane; Multi-pass membrane protein. Apical cell membrane; Multi-pass membrane protein. Note=Colocalizes with ACE2 on the apical membrane of cells lining villi of the jejunum, ileum and on kidney proximal tubules
Tissue Location	Robust expression in kidney and small intestine, with minimal expression in pancreas (PubMed:18424768, PubMed:15286787). Also expressed in stomach, liver, duodenum, ileocecum, colon and prostate. Not detected in testis, whole brain, cerebellum, fetal liver, spleen, skeletal muscle, uterus, heart or lung.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles

IMAGES



WB (Western Blot)
Anti-SLC6A19 Antibody (C-Term) at 1:2000 dilution + 293 whole cell lysateLysates/proteins at 20 ug per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 71 kDaBlocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC6A19 antibody	Transporter that mediates epithelial resorption of neutral amino acids across the apical membrane of epithelial cells in the kidney and intestine. It appears that leucine is the preferred substrate, but all large neutral non-aromatic L-amino acids bind to this transporter. Uptake of leucine is sodium- dependent. In contrast to other members of the neurotransmitter transporter family, does not appear to be chloride-dependent (By similarity).
Product Categories/Family for anti-SLC6A19 antibody	Primary Antibodies; Neuroscience
References	Kleta R.,et al.Nat. Genet. 36:999-1002 (2004). Seow H.F.,et al.Nat. Genet. 36:1003-1007 (2004). Ota T.,et al.Nat. Genet. 36:40-45 (2004). Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases. Broer S.,et al.J. Clin. Invest. 118:3881-3892 (2008).

NCBI AND UNIPROT INFORMATION

NCBI GI #	51468073
NCBI GeneID	340024
NCBI Accession #	NP_001003841.1
NCBI GenBank Nucleotide #	NM_001003841.2
UniProt Accession #	Q695T7; A8K446
Molecular Weight	71110
NCBI Official Full Name	sodium-dependent neutral amino acid transporter B(0)AT1
NCBI Official Synonym Full Names	solute carrier family 6 member 19
NCBI Official Symbol	SLC6A19
NCBI Official Synonym Symbols	HND; B0AT1
NCBI Protein Information	sodium-dependent neutral amino acid transporter B(0)AT1
UniProt Protein Name	Sodium-dependent neutral amino acid transporter B(0)AT1
UniProt Gene Name	SLC6A19
UniProt Synonym Gene Names	B0AT1
UniProt Entry Name	S6A19_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/slc6a19-antibody-western-blot-elisa/28802>