



Anti-SLC6A18 monoclonal antibody (DCABH-13518)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The SLC6 family of proteins, which includes SLC6A18, acts as specific transporters for neurotransmitters, amino acids, and osmolytes like betaine, taurine, and creatine. SLC6 proteins are sodium cotransporters that derive the energy for solute transport from the electrochemical gradient for sodium ions (Hoglund et al., 2005 [PubMed 16125675]).
Immunogen	A synthetic peptide of human SLC6A18 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Size	1 ea
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	SLC6A18 solute carrier family 6, member 18 [Homo sapiens]
Official Symbol	SLC6A18
Synonyms	SLC6A18; solute carrier family 6, member 18; solute carrier family 6 (neurotransmitter transporter), member 18; sodium-dependent neutral amino acid transporter B(0)AT3; FLJ31236; Xtrp2; sodium channel-like protein; system B(0) neutral amino acid transporter AT3; sodium- and chloride-dependent transporter XTRP2;

Entrez Gene ID	348932
Protein Refseq	NP_872438
UniProt ID	Q96N87
Chromosome Location	5p15
Pathway	Amino acid transport across the plasma membrane, organism-specific biosystem; Na ⁺ /Cl ⁻ -dependent neurotransmitter transporters, organism-specific biosystem; SLC-mediated transmembrane transport, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of glucose and other sugars, bile salts and organic acids, metal ions and amine compounds, organism-specific biosystem; Transport of inorganic cations/anions and amino acids/oligopeptides, organ
Function	neurotransmitter:sodium symporter activity; symporter activity;