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Immunotag™ SLC6A14 Polyclonal Antibody

Antibody Specification

Catalog No.	ITT5102
Product Description	Immunotag™ SLC6A14 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	SLC6A14
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	Synthesized peptide derived from the C-terminal region of human SLC6A14.
Specificity	SLC6A14 Polyclonal Antibody detects endogenous levels of SLC6A14 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	SLC6A14
Accession No.	Q9UN76 Q9JMA9
Alternate Names	SLC6A14; Sodium- and chloride-dependent neutral and basic amino acid transporter B(0+; Amino acid transporter ATB0+; Solute carrier family 6 member 14

Antibody Specification

Description	solute carrier family 6 member 14(SLC6A14) Homo sapiens This gene encodes a member of the solute carrier family 6. Members of this family are sodium and chloride dependent neurotransmitter transporters. The encoded protein transports both neutral and cationic amino acids. This protein may also function as a beta-alanine carrier. Mutations in this gene may be associated with X-linked obesity. A pseudogene of this gene is found on chromosome X.[provided by RefSeq, May 2010],
Protein Expression	Mammary gland,Trachea,
Subcellular Localization	plasma membrane,integral component of plasma membrane,integral component of membrane,brush border membrane,vesicle,extracellular exosome,
Protein Function	disease:Genetic variations in SLC6A14 may be associated with susceptibility to X-linked obesity (OBX) [MIM:300306]. Obesity has been shown to predispose to disorders such as type 2 diabetes, coronary heart disease, hypertension, osteoarthritis, and certain cancers. Common forms of obesity are most likely caused by multiple genetic and environmental factors, and their interactions.,function:Mediates the uptake of a broad range of neutral and cationic amino acids (with the exception of proline) in a Na(+)/Cl(-)-dependent manner.,miscellaneous:Transport inhibited by BCH (2-aminobicyclo-[2.2.1]-heptane-2-carboxylic acid).,similarity:Belongs to the sodium:neurotransmitter symporter (SNF) family.,tissue specificity:Levels are highest in adult and fetal lung, in trachea and salivary gland. Lower levels detected in mammary gland, stomach and pituitary gland, and very low levels in colon, uterus, prostate and testis.,
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