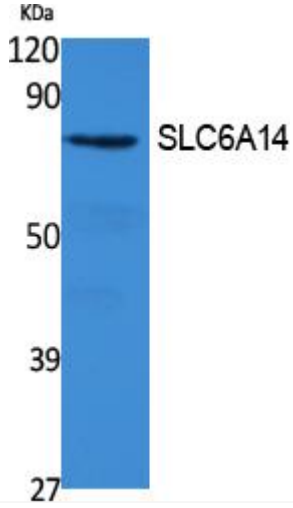
SLC6A14 Monoclonal Antibody

Catalog No	BYmab-00762
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	SLC6A14
Protein Name	Sodium- and chloride-dependent neutral and basic amino acid transporter B(0+)
Immunogen	Synthesized peptide derived from the C-terminal region of human SLC6A14.
Specificity	SLC6A14 Monoclonal Antibody detects endogenous levels of SLC6A14 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SLC6A14; Sodium- and chloride-dependent neutral and basic amino acid transporter B(0+; Amino acid transporter ATB0+; Solute carrier family 6 member 14
Observed Band	72kD
Cell Pathway	Membrane; Multi-pass membrane protein.
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.
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,
Background	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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using SLC6A14 Monoclonal Antibody