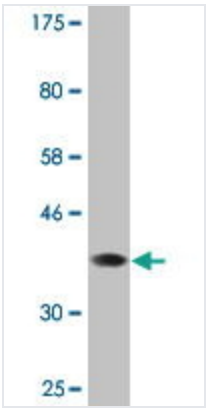
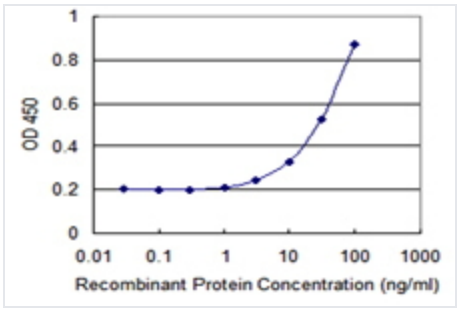
SLC28A2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	SLC28A2, Monoclonal Antibody
Full Product Name	SLC28A2 (Solute Carrier Family 28 Member 2, Sodium/Nucleoside Cotransporter 2, Na(+)/Nucleoside Cotransporter 2, Sodium-coupled Nucleoside Transporter 2, Concentrative Nucleoside Transporter 2, CNT 2, rCNT2, Sodium/Purine Nucleoside Co-transporter, SPNT
Product Gene Name	anti-SLC28A2 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2D3
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human SLC28A2.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
OMIM	606208
3D Structure	ModBase 3D Structure for O43868
Immunogen	Partial recombinant corresponding to aa1-80 from SLC28A2 (NP_004203) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MEKASGRQSIALSTVETGTVNLGLELMEKEVEPEGSKRTDAQGHSLGDGLGPSTYQRRSRWPFSKARSFCKTHARLFKK
Conjugate	FITC
Product Categories/Family for anti-SLC28A2 antibody	Antibodies; Ion Channel
Applications Tested/Suitable for anti-SLC28A2 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-SLC28A2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-SLC28A2 antibody	SLC28A2 regulates adenosine transport across the blood-brain barrier into the brain.
Other Notes	Small volumes of anti-SLC28A2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SLC28A2 purchase	MBS6149725 is an antibody targeting SLC28A2. Also known as SLC28A2 (Solute Carrier Family 28 Member 2, Sodium/Nucleoside Cotransporter 2, Na(+)/Nucleoside Cotransporter 2, Sodium-coupled Nucleoside Transporter 2, Concentrative Nucleoside Transporter 2, CNT 2, rCNT2, Sodium/Purine Nucleoside Co-transporter, SPNT. Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-SLC28A2 antibody
Western Blot detection against Immunogen (34.8kD).



Testing Data of anti-SLC28A2 antibody
Detection limit for recombinant GST tagged SLC28A2 is 1ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC28A2. It may not necessarily be applicable to this product.

NCBI GI #	1519243056
NCBI GeneID	9153
NCBI Accession #	NM_004212.4
UniProt Primary Accession #	O43868
UniProt Related Accession #	O43868
GenBank Nucleotide #	NM_004212
NCBI Official Full Name	Homo sapiens solute carrier family 28 member 2 (SLC28A2), mRNA
NCBI Official Synonym Full Names	solute carrier family 28 member 2
NCBI Official Symbol	SLC28A2
NCBI Official Synonym Symbols	CNT2; HCNT2; SPNT1; HsT17153
UniProt Protein Name	Sodium/nucleoside cotransporter 2
UniProt Synonym Protein Names	Concentrative nucleoside transporter 2; CNT 2; hCNT2; Na(+)/nucleoside cotransporter 2; Sodium-coupled nucleoside transporter 2; Sodium/purine nucleoside co-transporter; SPNT; Solute carrier family 28 member 2
Protein Family	Sodium/nucleoside cotransporter
UniProt Gene Name	SLC28A2
UniProt Synonym Gene Names	CNT2; CNT 2; hCNT2; SPNT
UniProt Entry Name	S28A2_HUMAN
NCBI Protein Information	sodium/nucleoside cotransporter 2

UniProt Comments for SLC28A2	SLC28A2: Sodium-dependent and purine-selective transporter. Exhibits the transport characteristics of the nucleoside transport system cif or N1 subtype (N1/cif) (selective for purine nucleosides and uridine). Plays a critical role in specific uptake and salvage of purine nucleosides in kidney and other tissues. Belongs to the concentrative nucleoside transporter (CNT) (TC 2.A.41) family. Protein type: Transporter, SLC family; Membrane protein, integral; Transporter; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 15q15 Cellular Component: membrane; integral to plasma membrane; plasma membrane Molecular Function: purine nucleoside transmembrane transporter activity; nucleoside:sodium symporter activity; nucleoside binding Biological Process: nucleobase, nucleoside, nucleotide and nucleic acid metabolic process; purine nucleoside transport; transmembrane transport
Research Articles on SLC28A2	**1.** significant association of intron variants in the SLC28A2 gene with both serum uric acid level and hyperuricemia phenotype, and another exonic variant with gout in Han Chinese
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