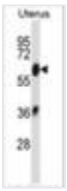
SLC2A13 Antibody – Rabbit Polyclonal

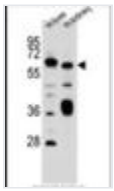
PRODUCT OVERVIEW

Product Name	SLC2A13, Polyclonal Antibody
Full Product Name	SLC2A13, ID (SLC2A13, Proton myo-inositol cotransporter, H(+)-myo-inositol symporter) (FITC)
Product Gene Name	anti-SLC2A13 antibody
Product Synonym Names	SLC2A13; Proton myo-inositol cotransporter; H(+)-myo-inositol symporter
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
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 and Peptide Affinity Chromatography.
Specificity	Recognizes human SLC2A13.
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.
Molecular Weight	70,371 Da
OMIM	611036
3D Structure	ModBase 3D Structure for Q96QE2
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 268-297 in the Central region of human SLC2A13, UniProt Accession #Q96QE2, NP_443117.3.
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-SLC2A13 antibody	Antibodies; Ion Transport
Applications Tested/Suitable for anti-SLC2A13 antibody	Western Blot (WB), FLISA
Application Notes for anti-SLC2A13 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-SLC2A13 antibody	MBS6348322 is an antibody targeting SLC2A13. Also known as SLC2A13, ID (SLC2A13, Proton myo-inositol cotransporter, H(+)-myo-inositol symporter) (FITC). Reactive in Human. Host: Rabbit. H(+)-myo-inositol cotransporter.It can also transport related stereoisomers.
Product References and Citations for anti-SLC2A13 antibody	1. Rose, J.E., et al. Mol. Med. 16 (7-8):247-253 (2010). 2. Bankovic, J., et al. Lung Cancer 67(2):151-159(2010). 3. Satake, W., et al. Nat. Genet. 41(12):1303-1307(2009). 4. Di Daniel, E., et al. BMC Cell Biol. 10:54 (2009). 5. Barrett, J.C., et al. Nat. Genet. 40(8):955-962(2008).

Other Notes	Small volumes of anti-SLC2A13 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.



Western Blot (WB) of anti-SLC2A13 antibody
Western Blot analysis in human normal Uterus tissue lysates (35ug/lane) usingMBS642008. This demonstrates MBS642008 detected the SLC2A13 protein (arrow).



Western Blot (WB) of anti-SLC2A13 antibody
Western Blot analysis in mouse liver, kidney tissue lysates (35ug/lane) usingMBS642008. This demonstrates MBS642008 detected the SLC2A13 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC2A13. It may not necessarily be applicable to this product.

NCBI GI #	203098995
NCBI GeneID	114134
NCBI Accession #	NP_443117.3
UniProt Primary Accession #	Q96QE2
UniProt Secondary Accession #	Q17S07
UniProt Related Accession #	Q96QE2
GenBank Nucleotide #	NM_052885.3
NCBI Official Full Name	proton myo-inositol cotransporter
NCBI Official Synonym Full Names	solute carrier family 2 (facilitated glucose transporter), member 13
NCBI Official Symbol	SLC2A13
NCBI Official Synonym Symbols	HMIT
UniProt Protein Name	Proton myo-inositol cotransporter
UniProt Synonym Protein Names	H(+)-myo-inositol symporter; Solute carrier family 2 member 13
Protein Family	Proton myo-inositol cotransporter
UniProt Gene Name	SLC2A13
UniProt Synonym Gene Names	H(+)-myo-inositol cotransporter; Hmit
UniProt Entry Name	MYCT_HUMAN
NCBI Protein Information	proton myo-inositol cotransporter; H(+)-myo-inositol symporter; h(+)-myo-inositol cotransporter; solute carrier family 2 member 13; proton (H+) myo-inositol symporter

UniProt Comments for SLC2A13	GLUT13: an integral membrane facilitative glucose transporter. One of 13 members of the human equilibrative glucose transport protein family. Its mRNA is expressed mainly in the brain, especially the hippocampus, hypothalamus, cerebellum and brainstem. Expressed in both neurons and glial cells. It may play a key role in the control of myo-inositol metabolism in the brain. Low levels have been observed in white, brown and epididymal adipose tissues and in the kidney. Protein type: Membrane protein, integral; Transporter; Transporter, SLC family; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 12q12 Cellular Component: integral to membrane; plasma membrane Molecular Function: substrate-specific transmembrane transporter activity Biological Process: transmembrane transport
Research Articles on SLC2A13	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
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Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/slc2a13/6348322