SLC2A3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLC2A3, Polyclonal Antibody
Full Product Name	SLC2A3 Conjugated Antibody
Product Gene Name	anti-SLC2A3 antibody
Product Synonym Names	Solute carrier family 2 (facilitated glucose transporter); member 3; GLUT3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous level of total SLC2A3 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	32,153 Da
OMIM	601898
3D Structure	ModBase 3D Structure for Q6ISR8
Immunogen	Synthetic peptide corresponding to a region derived from 466-479 amino acids of human solute carrier family 2 (facilitated glucose transporter), member 3
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-SLC2A3 antibody	Most Applications
Application Notes for anti-SLC2A3 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-SLC2A3 antibody	Glucose transporter 3 (or GLUT3), also known as solute carrier family 2, facilitated glucose transporter member 3 (SLC2A3) is a protein that in humans is encoded by the SLC2A3 gene. GLUT3 facilitates the transport of glucose across the plasma membranes of mammalian cells. GLUT3 is most known for its specific expression in neurons and has originally been designated as the neuronal GLUT. GLUT3 has been studied in other cell types with specific glucose requirements, including sperm, preimplantation embryos, circulating white blood cells and carcinoma cell lines. GLUT3 has both a higher affinity for glucose and at least a fivefold greater transport capacity than GLUT1, GLUT2 and GLUT4, which is particularly significant for its role in neuronal glucose transport, where ambient glucose levels are fivefold lower than in serum.
Other Notes	Small volumes of anti-SLC2A3 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 SLC2A3 purchase	MBS9442383 is an antibody targeting SLC2A3. Also known as SLC2A3 Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC2A3. It may not necessarily be applicable to this product.

NCBI GI #	4758434
NCBI GeneID	2693
NCBI Accession #	NP_004113
UniProt Primary Accession #	Q6ISR8
UniProt Secondary Accession #	Q14D12; Q6ISR8; Q92848; Q96RJ7
UniProt Related Accession #	Q92847
GenBank Nucleotide #	NM_004122
NCBI Official Full Name	growth hormone secretagogue receptor type 1 isoform 1b
NCBI Official Synonym Full Names	growth hormone secretagogue receptor
NCBI Official Symbol	GHSR
NCBI Official Synonym Symbols	GHDP
UniProt Protein Name	Growth hormone secretagogue receptor type 1
UniProt Synonym Protein Names	GH-releasing peptide receptor; GHRP; Ghrelin receptor
Protein Family	Solute carrier family
UniProt Gene Name	GHSR
UniProt Synonym Gene Names	GHS-R; GHRP
UniProt Entry Name	GHSR_HUMAN
NCBI Protein Information	growth hormone secretagogue receptor type 1; GH-releasing peptide receptor; GHRP; GHS-R; ghrelin receptor
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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