

Datasheet for ABIN265443

anti-SLC2A3 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	SLC2A3
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC2A3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Specificity:	This antibody detects endogenous levels of GLUT3 protein. (region surrounding Glu482)
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity Chromatography using epitope-specific immunogen.

Target Details

Target:	SLC2A3
Alternative Name:	GLUT3 / SLC2A3 (SLC2A3 Products)
Background:	<p>Glucose is the major source of our energy and there are numerous isoforms of the glucose transporter in mammals, including Glut1, Glut2, Glut3, Glut4, Glut5, Glut6, Glut7, Glut8 and Glut9.</p> <p>The Glut5 gene located on the short arm of human chromosome 1 encodes a 501-amino acid facilitative glucose transporter. Glut5 mRNA is highly expressed in small intestine and to a</p>

Target Details

lesser extent in kidney, skeletal muscle and adipose tissue. Glut5 plays a critical role in fructose absorption in the small intestine and its expression is highly induced when exposed to a fructose-enriched diet. Glut5 transporter expressed in human skeletal muscle is specifically localized to the plasma membrane, where it participates in regulating hexose transfer across the sarcolemma. Glut8, a novel glucose transporter-like protein, exhibits significant sequence similarity with the other members of sugar transporter family. Glut8 comprises 12 putative membrane-spanning helices and several conserved motifs, which are important for transport activity. In human tissues, Glut8 is predominantly expressed in testis and, to a lesser extent, in most other tissues including skeletal muscle, heart, small intestine and brain. Synonyms: GLUT-3, Glucose transporter 3, Glucose transporter type 3 brain, Solute carrier family 2 facilitated glucose transporter member 3

Molecular Weight:	approx. 54.0 kDa
Gene ID:	6515
NCBI Accession:	NP_008862
UniProt:	P11169
Pathways:	Warburg Effect

Application Details

Application Notes:	ELISA: 1: 1000approx. 1: 20000. WB: 1: 500approx. 1: 1000. IHC: 1: 50approx. 1: 200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH ~7.2, 0.05 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C

Handling

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Images

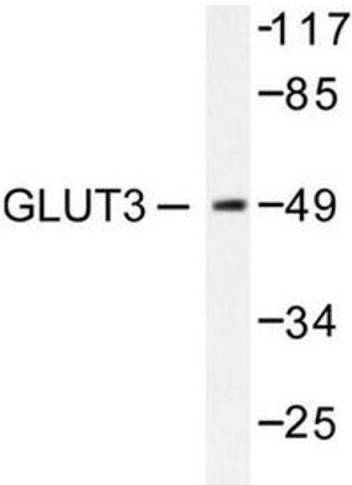


Image 1.

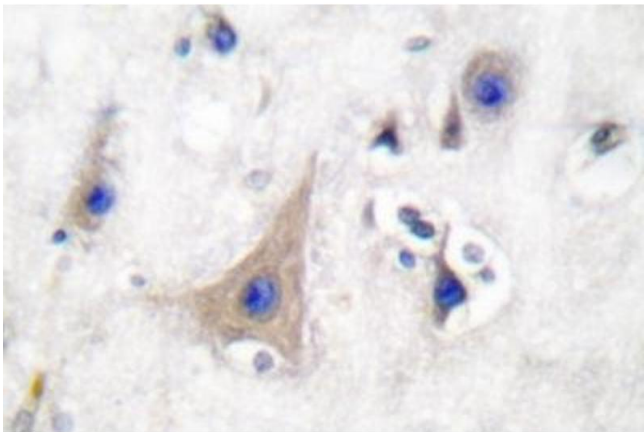


Image 2.