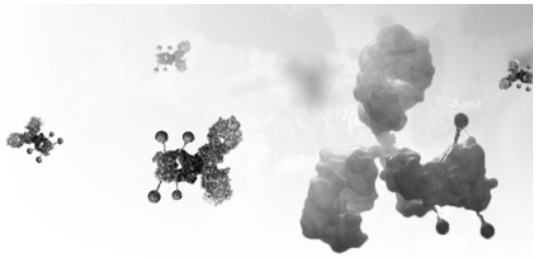

Rabbit Anti-Human SLC2A2 monoclonal antibody, clone KK31-32 (CABT-L825)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	GLUT2
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	KK31-32
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IHC, FC
Molecular Weight	57 kDa
Cellular Localization	Membrane.
Positive Control	MCF-7, Hela, HepG2, human liver tissue, human pancreas tissue, human kideny tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	Glucose is fundamental to the metabolism of mammalian cells. Its passage across cell membranes is mediated by a family of transporters termed glucose transporters or Gluts. Glut1, Glut3 and Glut4 are high-affinity transporters, whereas Glut2 is a low-affinity transporter. In adipose and muscle tissue, insulin stimulates a rapid and dramatic increase in glucose uptake, which is largely due to the redistribution of the insulin-inducible glucose transporter Glut4. In response to insulin, Glut4 is quickly shuttled from an intracellular storage site to the plasma membrane, where it binds glucose. In contrast, the ubiquitously expressed glucose transporter Glut1 is constitutively targeted to the plasma membrane and shows a much less dramatic translocation in response to insulin. Glut2 expression is seen in pancreatic beta cells, hepatocytes and basolateral membranes of intestinal and epithelial cells, while the highest expression of Glut3 has been found in neuronal tissue.
Keywords	liver;Glucose Transporter 2;Glucose Transporter GLUT2;Glucose transporter type 2;Glucose transporter type 2 liver;Glucose transporter, liver/islet;GLUT-2;GLUT2;GTR2_HUMAN;GTT2;SLC2A2;Solute carrier family 2 (facilitated glucose transporter) member 2;Solute carrier family 2 facilitated glucose transporter member 2;Solute carrier family 2, facilitated glucose transporter member 2 antibody

GENE INFORMATION

Entrez Gene ID	6514
UniProt ID	P11168

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