Datasheet for ABIN504732

anti-GLUT1 antibody (Internal Region)

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Overview

Quantity:	0.1 mL
Target:	GLUT1 (SLC2A1)
Binding Specificity:	AA 300-400, Internal Region
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Protozoa
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthetic peptide to an internal region (within AA 300-400) of the human LPIN1 protein. [Swiss-Prot# Q14693].
Isotype:	IgG
Cross-Reactivity:	Cow (Bovine), Human, Mouse (Murine), Primate, Rabbit, Rat (Rattus)
Purification:	affinity purified

Target Details

Target:	GLUT1 (SLC2A1)
Alternative Name:	GLUT1 (SLC2A1 Products)
Background:	Glucose transporters are integral membrane glycoproteins involved in transporting glucose into most cells. There are seven types of glucose transport carrier proteins, designated as Glut 1 to

Target Details

	7. Molecular cloning of glucose transporters have identified a family of closely related genes that encodes at least 7 proteins exhibiting high degree of amino acid homology (45% to 65%), all in the molecular weight range of 40 to 60 kDa. Some transporters exhibit dynamic trafficking between intracellular storage sites and plasma membranes in response to various stimuli. In some tissues Glut proteins are asymmetrically distributed between apical and basolateral membranes, as in blood brain barrier and blood testis barriers. GLUT1 is a major glucose transporter in the mammalian blood brain barrier. It is ubiquitous, and is present at high levels in primate erythrocytes and brain endothelial cells.
UniProt:	Q14693
Pathways:	Sensory Perception of Sound, Dicarboxylic Acid Transport, Warburg Effect

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Storage:	-20 °C