Datasheet for ABIN7566454

anti-SLC2A2 antibody

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Overview

Quantity:	50 µg
Target:	SLC2A2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC2A2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Purpose:	anti-GLUT2 (human), pAb (IN117)
Immunogen:	A synthetic peptide corresponding to 12 aa located near the C-terminus of human GLUT2.
Characteristics:	Polyclonal Antibody. Recognizes human GLUT2. Applications: IHC, IP, WB. Source: Rabbit. GLUT2 belongs to the family of glucose transporters (GLUTs, encoded by the SLC2A genes), which comprises 14 isoforms. GLUT2 has a uniquely low affinity for glucose (Km ~ 17mmol/l), and can also use mannose, galactose and fructose as low-affinity substrates. However, it has a high affinity for glucosamine (Km ~ 0.8mmol/l). GLUT2 is expressed in liver, intestine, kidney and pancreatic islet beta cells, as well as in the central nervous system, in neurons, astrocytes and tanycytes. Physiological studies of genetically modified mice have revealed a role for GLUT2 in several regulatory mechanisms. GLUT2 is also the major glucose transporter in the plasma membrane of hepatocytes. In pancreatic beta cells, GLUT2 is required for glucose-stimulated insulin secretion. In the nervous system, GLUT2-dependent glucose-sensing controls feeding, thermoregulation and pancreatic islet cell mass and function, as well as

Product Details

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Purification:	Puified
Purity:	>95 % (SDS-PAGE)

Target Details

Target:	SLC2A2
Alternative Name:	GLUT2 (SLC2A2 Products)
UniProt:	P11168
Pathways:	Warburg Effect

Application Details

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

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	In PBS containing 10 % glycerol and 0.02 % Proclin 300.
Handling Advice:	After opening, prepare aliquots and store at -20 °C. Avoid freeze/thaw cycles.
Storage:	4 °C,-20 °C

Handling

Storage Comment:	+4°C Stable for at least 1 year after receipt when stored at -20°C.