Datasheet for ABIN1174324

anti-GLUT1 antibody (AA 251-329) (Biotin)

1 Image

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Overview

Quantity:	200 µL
Target:	GLUT1 (SLC2A1)
Binding Specificity:	AA 251-329
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GLUT1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Purpose:	Biotin-Linked Polyclonal Antibody to Glucose Transporter 1 (GLUT1)
Immunogen:	Recombinant GLUT1 expressed in E.coli. The antibody is a rabbit polyclonal antibody raised against GLUT1 conjugated to biotin.
Sequence:	MGHHHHHHSG SEF-MMREKKVTIL ELFRSPAYRQ PILIAVVLQL SQQLSGINAV FYYSTSIFEK AGVQQPVYAT IGSGIVNTAF TVVSLFVVE
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against GLUT1. It has been selected for its ability to recognize GLUT1 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse, Rat
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

Target:	GLUT1 (SLC2A1)
Alternative Name:	Glucose Transporter 1 (SLC2A1 Products)
Background:	SLC2A1, SLC2-A1, GLUT, Solute Carrier Family 2 Member 1,Facilitated Glucose Transporter, Glucose transporter type 1, erythrocyte/brain, HepG2 glucose transporter
Pathways:	Sensory Perception of Sound, Dicarboxylic Acid Transport, Warburg Effect

Application Details

Application Notes:	Western blotting: 0.2-2 µg/mL,1:250-2500 Immunohistochemistry: 5-20 µg/mL,1:25-100 Immunocytochemistry: 5-20 µg/mL,1:25-100 Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

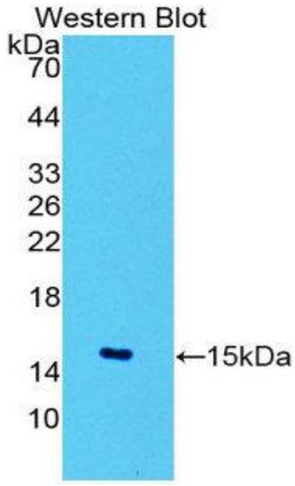
Handling

Format:	Liquid
Concentration:	500 µg/mL
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.
Handling Advice:	Avoid repeated freeze/thaw cycles
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.

Handling

Expiry Date:	12 months

Images



Western Blotting

Image 1.