

SLC2A3 Antibody

Catalog No: #31209

Package Size: #31209-1 50ul #31209-2 100ul

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Description

Product Name	SLC2A3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total SLC2A3 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Synthetic peptide corresponding to a region derived from 466-479 amino acids of human solute carrier family 2 (facilitated glucose transporter), member 3
Target Name	SLC2A3
Other Names	Solute carrier family 2 (facilitated glucose transporter), member 3, GLUT3
Accession No.	Swiss-Prot:P11169Gene ID:6515;
Uniprot	P11169
GeneID	6515;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C/1 year

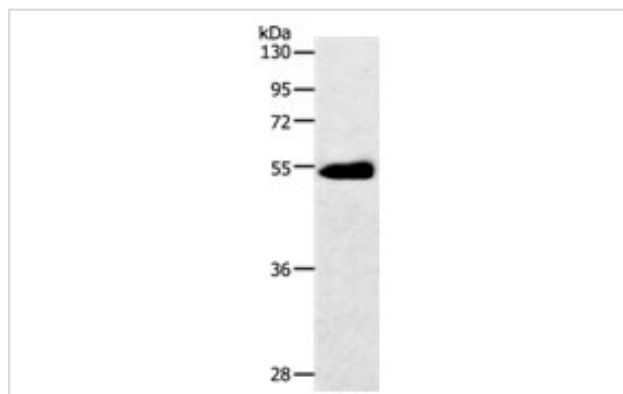
Application Details

Predicted MW: 54kd

ELISA: 1:2000-1:5000

Western blotting: 1:500-1:2000

Images



Gel: 10%SDS-PAGE

Lysate: 40 µg Human colon cancer tissue lysate

Primary antibody: 1/400 dilution

Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution

Exposure time: 2 minutes

Background

Glucose transporter 3 (or GLUT3), also known as solute carrier family 2, facilitated glucose transporter member 3 (SLC2A3) is a protein that in

humans is encoded by the SLC2A3 gene. GLUT3 facilitates the transport of glucose across the plasma membranes of mammalian cells. GLUT3 is most known for its specific expression in neurons and has originally been designated as the neuronal GLUT. GLUT3 has been studied in other cell types with specific glucose requirements, including sperm, preimplantation embryos, circulating white blood cells and carcinoma cell lines. GLUT3 has both a higher affinity for glucose and at least a fivefold greater transport capacity than GLUT1, GLUT2 and GLUT4, which is particularly significant for its role in neuronal glucose transport, where ambient glucose levels are fivefold lower than in serum.

Note: This product is for in vitro research use only