



Rabbit Anti-GLUT6/GLUT9 antibody

SL13388R

Product Name:	GLUT6/GLUT9
Chinese Name:	葡萄糖Transporter6抗体
Alias:	Glucose Transporter GLUT6; A330096C23; F630103L12Rik; Glucose transporter type 6; Glucose transporter type 9; GLUT-6; GLUT-9; Glut6; Glut9; GTR6_HUMAN; HSA011372; RP23-449M10.2; SLC2A6; Solute carrier family 2, facilitated glucose transporter member 6.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	55kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GLUT6/Glucose Transporter GLUT6:201-300/507
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The oxidation of glucose functions as the dominant source of metabolic energy for mammals. The plasma membrane is impermeable to glucose, so the cellular uptake of this important nutrient is achieved by facultative hexose transporters (Gluts). Gluts are

integral membrane proteins that transport glucose and related hexoses. Glucose binds to a Glut on one side of the membrane which provokes a conformational change causing it to release glucose to the other side. Members of the Glut family may enhance the metabolic activity of tumor cells. Glut6 is part of the third out of three classes of Gluts. Glut6 is mainly expressed in the brain, spleen and peripheral leukocytes. It appears to be regulated by subcellular redistribution, because it is targeted to intracellular compartments by di-leucine motifs, recycling itself in a Dynamin-dependent manner.

Function:

Facilitative glucose transporter; binds cytochalasin B with low affinity.

Subcellular Location:

Cell membrane. The dileucine internalization motif is critical for intracellular sequestration.

Tissue Specificity:

Highly expressed in brain, spleen and peripheral blood leukocytes.

Similarity:

Belongs to the major facilitator superfamily.

Sugar transporter (TC 2.A.1.1) family. Glucose transporter subfamily.

SWISS:

Q9UGQ3

Gene ID:

11182

Database links:

[Entrez Gene: 11182](#)Human

[Omin: 606813](#)Human

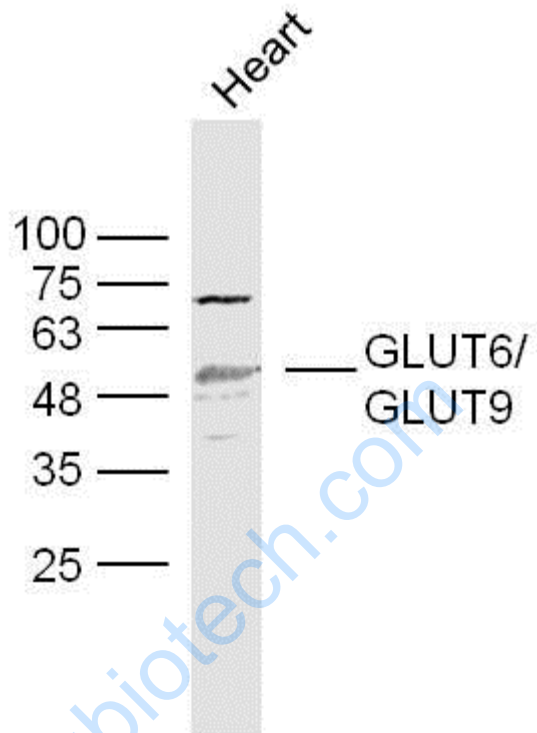
[SwissProt: Q9UGQ3](#)Human

[Unigene: 244378](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

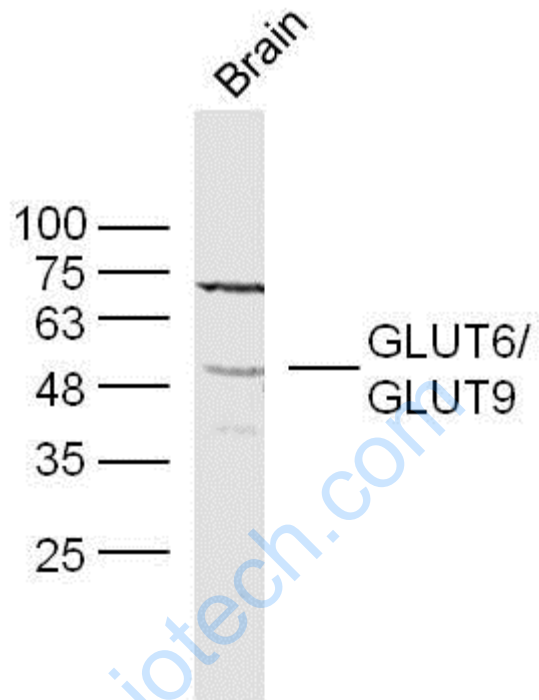
Heart (Mouse) Lysate at 40 ug

Primary: Anti- GLUT6/GLUT9 (SL13388R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 55kD

Observed band size: 55kD



Sample:

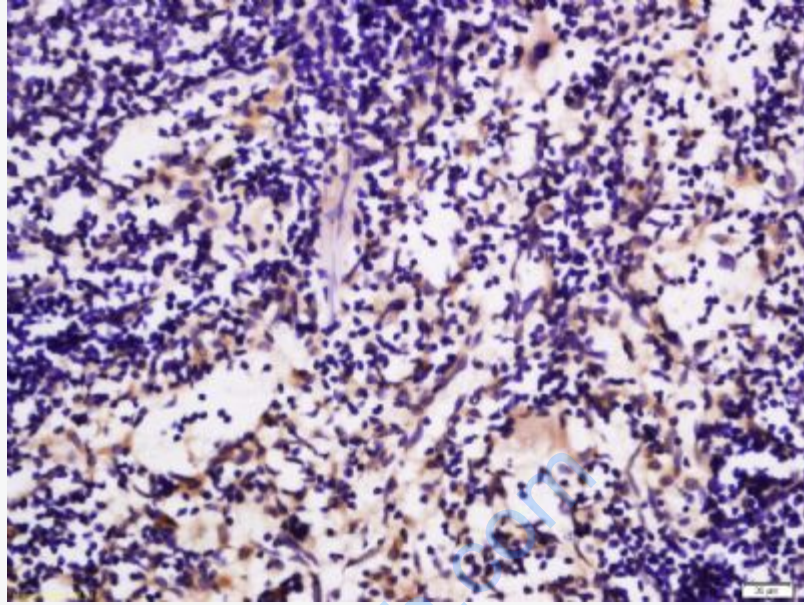
Brain (Mouse) Lysate at 40 ug

Primary: Anti- GLUT6/GLUT9 (SL13388R) at 1/300 dilution

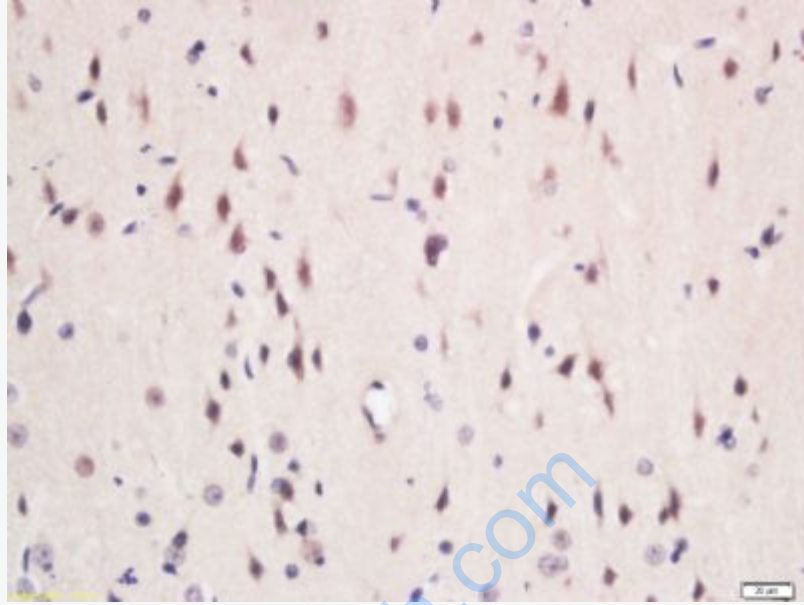
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 55kD

Observed band size: 55kD



Tissue/cell: rat spleen tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-GLUT6 Polyclonal Antibody, Unconjugated(SL13388R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-GLUT6 Polyclonal Antibody, Unconjugated(SL13388R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining