Leader in Biomolecular Solutions for Life Science

GLUT1/SLC2A1 Rabbit pAb

Catalog No.: A6982

48 Publications

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Basic Information

Observed MW
60kDa

Calculated MW
54kDa

Category
Polyclonal Antibodies

Applications
WB, IP, IF/ICC, IHC-P, ELISA

Cross Reactivity
Human, Mouse, Rat

Background

This gene encodes a major glucose transporter in the mammalian blood-brain barrier. The encoded protein is found primarily in the cell membrane and on the cell surface, where it can also function as a receptor for human T-cell leukemia virus (HTLV) I and II. Mutations in this gene have been found in a family with paroxysmal exertion-induced dyskinesia.

Recommended Dilutions

WB 1:1000 - 1:5000

IP
0.5 μg - 4 μg antibody for 200 μg - 400 μg extracts of whole cells

IF/ICC 1:200 - 1:800

IHC-P 1:50 - 1:200

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
6513

Swiss-Prot
P11166

Immunogen
This information is considered to be commercially sensitive.

Synonyms
CSE; PED; DYT9; GLUT; DYT17; DYT18; EIG12; GLUT1; HTLVR; GLUT-1; SDCHCN; GLUT1DS; GLUT1/SLC2A1

Contact

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Product Information

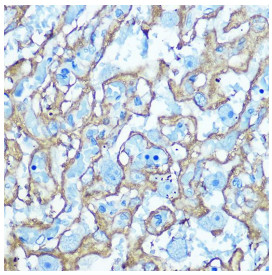
Source
Rabbit

Isotype
IgG

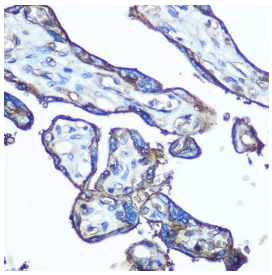
Purity
Affinity purification

Storage
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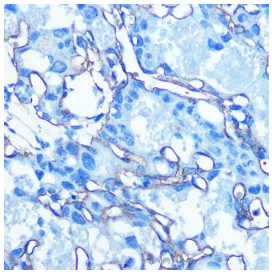
Validation Data



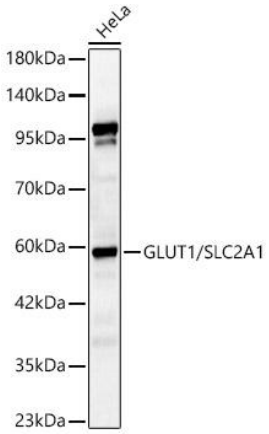
Immunohistochemistry analysis of paraffin-embedded Rat placenta using GLUT1 /SLC2A1 Rabbit pAb (A6982) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human placenta using GLUT1 /SLC2A1 Rabbit pAb (A6982) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse placenta using GLUT1 /SLC2A1 Rabbit pAb (A6982) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Western blot analysis of lysates from HeLa cells, using GLUT1/SLC2A1 Rabbit pAb (A6982) at 1:2000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 60s.

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