Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Glucose Transporter GLUT1 Rabbit mAb

Catalog No.: A28908 Recombinant

Basic Information

Observed MW
45-60 kDa

Calculated MW
54 kDa

Category
Primary antibody

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

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC3787

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	1:2000 - 1:10000
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;3000 - 1:12000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000)□a sequential dilution method is strongly recommended to ensure measurement accuracy.

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

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

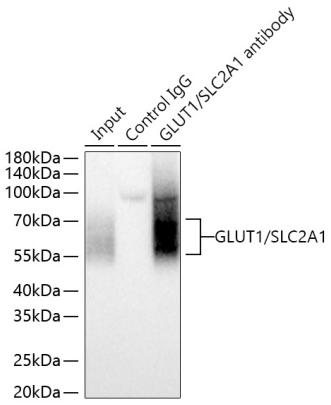
Contact

400-999-6126

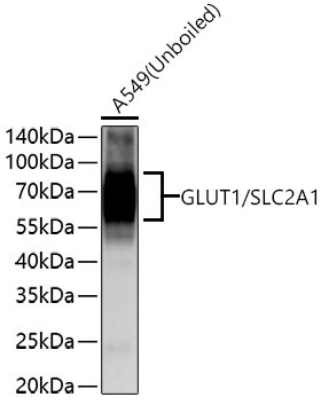
cn.market@abclonal.com.cn

www.abclonal.com.cn

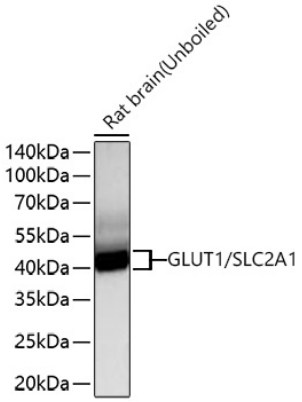
Validation Data



Immunoprecipitation of Glucose Transporter GLUT1 from 300 µg extracts of Hep G2 cells was performed using 2 µg of Glucose Transporter GLUT1 Rabbit mAb (A28908). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Glucose Transporter GLUT1 Rabbit mAb (A28908) at a dilution of 1:1000.

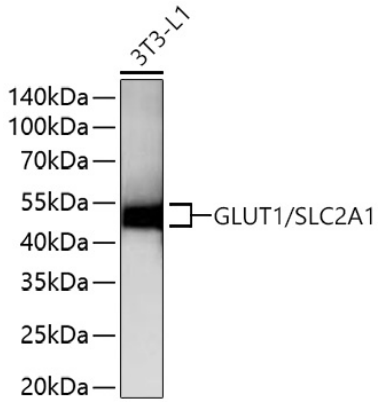


Western blot analysis of lysates from A549 cells using Glucose Transporter GLUT1 Rabbit mAb (A28908) at 1:5000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20 s.

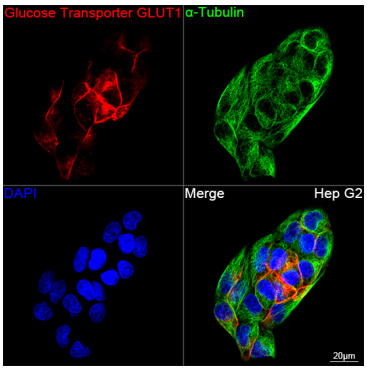


Western blot analysis of lysates from Rat brain using Glucose Transporter GLUT1 Rabbit mAb (A28908) at 1:5000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20 s.

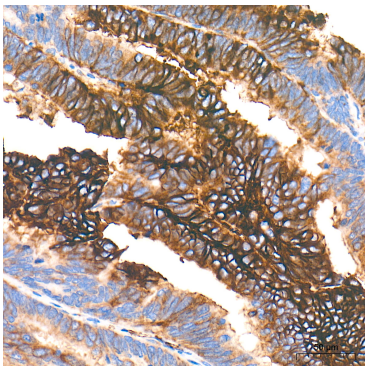
Validation Data



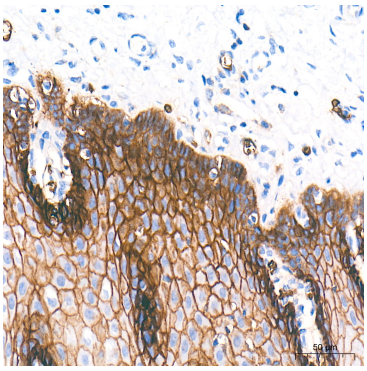
Western blot analysis of lysates from 3T3-L1 cells using Glucose Transporter GLUT1 Rabbit mAb (A28908) at 1:5000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.



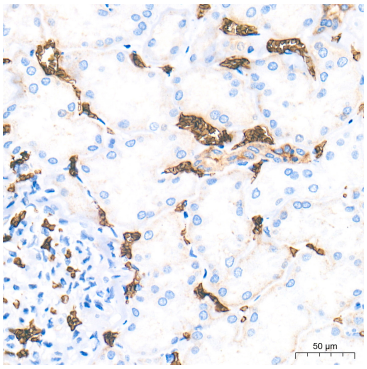
Confocal imaging of Hep G2 cells using Glucose Transporter GLUT1 Rabbit mAb (A28908, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



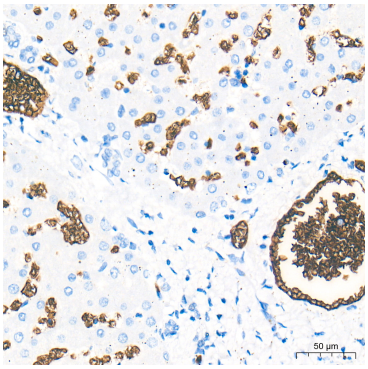
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using Glucose Transporter GLUT1 Rabbit mAb (A28908) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



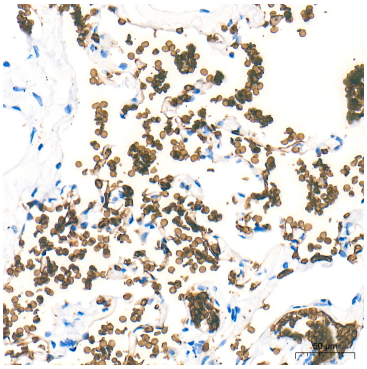
Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using Glucose Transporter GLUT1 Rabbit mAb (A28908) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using Glucose Transporter GLUT1 Rabbit mAb (A28908) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

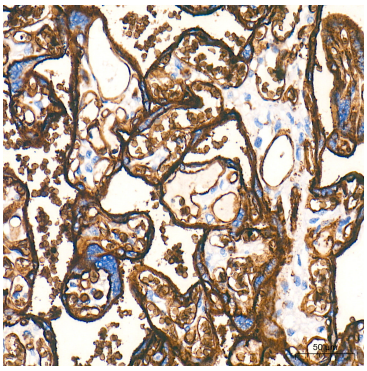


Immunohistochemistry analysis of paraffin-embedded Human liver tissue using Glucose Transporter GLUT1 Rabbit mAb (A28908) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

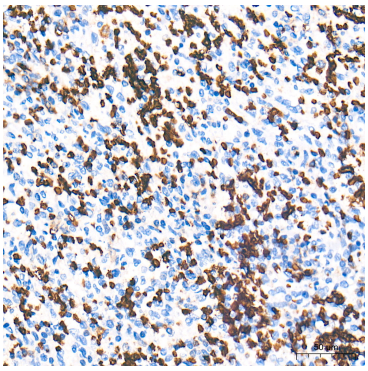


Immunohistochemistry analysis of paraffin-embedded Human lung tissue using Glucose Transporter GLUT1 Rabbit mAb (A28908) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using Glucose Transporter GLUT1 Rabbit mAb (A28908) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human spleen tissue using Glucose Transporter GLUT1 Rabbit mAb (A28908) at a dilution of 1:4000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.