

GLUT1 Polyclonal Antibody

Product Details

Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Rabbit, Hamster, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Human GLUT1 protein (between residues 1-100).
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.02% sodium azide
Storage conditions	-20°C or -80°C if preferred
RRID	AB_2302087

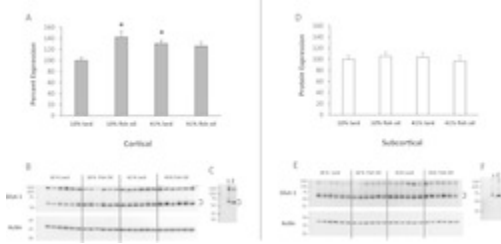
Applications	Tested Dilution	Publications
Western Blot (WB)	1:500	7 Publications
Immunohistochemistry (IHC)	1:200	4 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunocytochemistry (ICC/IF)	1:1,000	1 Publication
Flow Cytometry (Flow)	Assay-Dependent	-
ChIP assay (ChIP)	Assay-Dependent	-
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

The target sequence has 100% sequence homology with primate, and 93% with rat, bovine, and rabbit.

GLUT1 Antibody (PA1-46152)

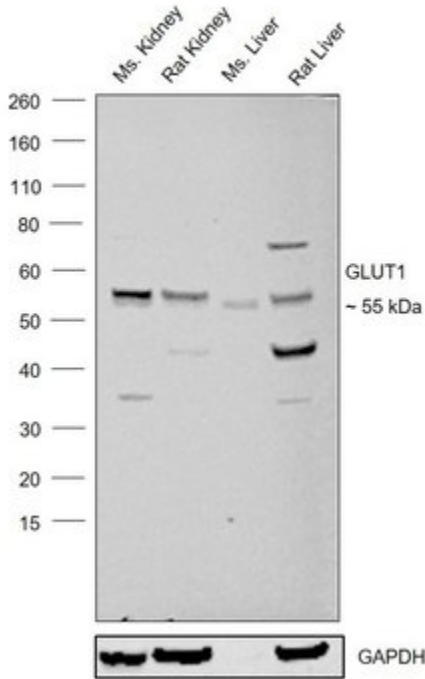
FIGURE 3 Western blot analysis bar charts show differences in Glut1 (~55 kDa) protein expression in cortical (A) and subcortical (D) brain tissue at the end of the 32-wk diet treatment. Representative blots of cortical (B) and subcortical (E) brain tissue with actin reprobes are shown. Deglycosylation evaluation blots of cortical (C) and subcortical (F) brain tissue show nondeglycosylated control (1) and deglycosylated (2) samples (41% lard). Values are means \pm SEMs, n = 11-12/group. Two-factor ANOVA with Tukey-Kramer post hoc test was conducted when interactions were significant. *Different from 10% lard, P < 0.05. Glut-1, glucose-1 transporter Slc2a1. Cell treatment validation info.



Product Images For GLUT1 Polyclonal Antibody

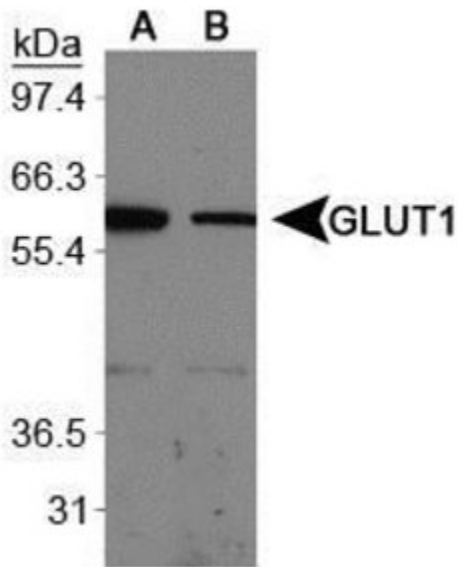
GLUT1 Antibody (PA1-46152) in WB

Western blot was performed using Anti-GLUT1 Polyclonal Antibody (Product # PA1-46152) and a ~55 kDa band corresponding to GLUT1 was observed across tissues tested. Membrane enriched extracts (30 µg lysate) of Mouse Kidney (Lane 1), Rat Kidney (Lane 2), Mouse Liver (Lane 3), Rat Liver (Lane 4) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # LC2002) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (2 µg/mL) and detected by chemiluminescence with Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



GLUT1 Antibody (PA1-46152) in WB

Western blot analysis of GLUT1 on A. mouse kidney membrane protein and B. rat kidney membrane protein using Product # PA1-46152.



[View more figures on thermofisher.com](https://www.thermofisher.com)

14 References

Western Blot (7)

Redox biology

AMPK-mediated senolytic and senostatic activity of quercetin surface functionalized Fe₃O₄ nanoparticles during oxidant-induced senescence in human fibroblasts.

"Published figure using GLUT1 polyclonal antibody (Product # PA1-46152) in Western Blot"

Authors: Lewinska A, Adamczyk-Grochala J, Bloniarz D, Olszowka J, Kulpa-Greszta M, Litwinienko G, Tomaszewska A, Wnuk M, Pazik R

Species

Not Applicable

Dilution

Not Cited

Year

2020

Cell metabolism

Acyl-CoA-Binding Protein Is a Lipogenic Factor that Triggers Food Intake and Obesity.

"PA1-46152 was used in Western Blotting to design three approaches to neutralize ACBP, namely, inducible whole-body knockout, systemic administration of neutralizing antibodies, and induction of antiACBP autoantibodies in mice."

Authors: Bravo-San Pedro JM, Sica V, Martins I, Pol J, Loos F, Maiuri MC, Durand S, Bossut N, Aprahamian F, Anagnostopoulos G, Niso-Santano M, Aranda F, Ramirez-Pardo I, Lallement J, Denom J, Boedec E, Gorwood P, Ramoz N, Clément K, Pelloux V, Rohia A, Pattou F, Raverdy V, Caiazzo R, Denis RGP, Boya P, Galluzzi L, Madeo F, Migrenne-Li S, Cruciani-Guglielmacci C, Tavernarakis N, López-Otin C, Magnan C, Kroemer G

Species

Human

Dilution

Not Cited

Year

2019

[View more WB references on thermofisher.com](#)

Immunohistochemistry (4)

Theranostics

Multiplexed non-invasive tumor imaging of glucose metabolism and receptor-ligand engagement using dark quencher FRET acceptor.

"Published figure using GLUT1 polyclonal antibody (Product # PA1-46152) in Immunohistochemistry"

Authors: Rudkouskaya A, Sinsuebphon N, Ochoa M, Chen SJ, Mazurkiewicz JE, Intes X, Barroso M

Species

Mouse
Not Applicable

Dilution

1:200
Not Cited

Year

2021

Magnetic resonance in medicine

Extracellular pH mapping of liver cancer on a clinical 3T MRI scanner.

"PA1-46152 was used in Immunohistochemistry to demonstrate feasibility and potential clinical translatability of high-resolution pHe mapping to monitor tumor aggressiveness and therapeutic outcome, all to improve personalized cancer treatment planning."

Authors: Coman D, Peters DC, Walsh JJ, Savic LJ, Huber S, Sinusas AJ, Lin M, Chapiro J, Constable RT, Rothman DL, Duncan JS, Hyder F

Species

Rabbit

Dilution

1:200

Year

2020

[View more IHC references on thermofisher.com](#)

More applications with references on thermofisher.com

IHC (P) (1)

ICC/IF (1)

Misc (1)

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