

# GLUT1 Polyclonal Antibody

Product Details	
Size	100 µL
Species	Human, Mouse, Rat
Published Species	Artificial Control, Hamster, Human, Mouse
Expression System	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
ChIP assay (ChIP)	Assay-Dependent	-
Flow Cytometry (Flow)	Assay-Dependent	-
Immunocytochemistry (ICC)	1:1000	-
Immunofluorescence (IF)	1:1000	-
Immunohistochemistry (IHC)	1:200	1 Publication
Western Blot (WB)	1:500	6 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

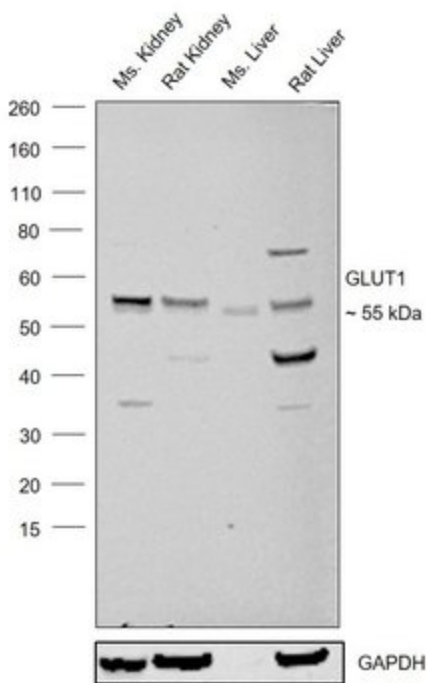
## Product Specific Information

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

## Product Images For GLUT1 Polyclonal Antibody

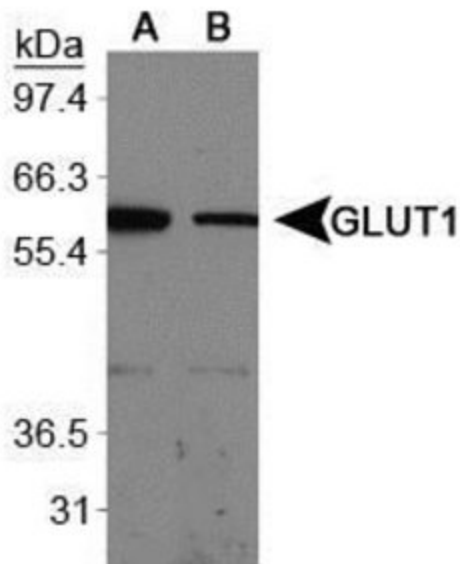
### GLUT1 Antibody (PA1-46152) in WB

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).



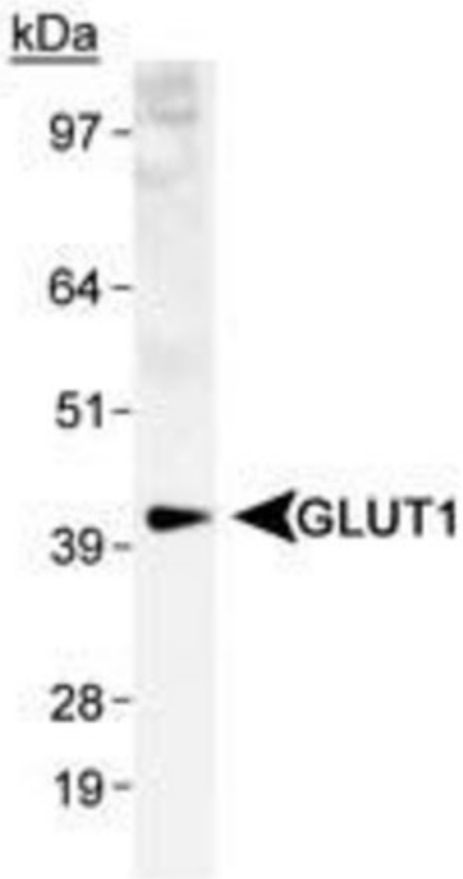
### GLUT1 Antibody (PA1-46152) in WB

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



**GLUT1 Antibody (PA1-46152) in WB**

Western blot analysis of GLUT1 using a polyclonal antibody (Product # PA1-46152).



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## 9 References

### Western Blot (6)

#### Redox biology

#### AMPK-mediated senolytic and senostatic activity of quercetin surface functionalized Fe<sub>3</sub>O<sub>4</sub> 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, Olszowska J, Kulpa-Greszta M, Litwinienko G, Tomaszewska A, Wnuk M, Pazik R

#### Species

Not Applicable

#### Dilution

Not Cited

#### Year

2020

#### Cell cycle (Georgetown, Tex.)

#### Interactions between TGF- type I receptor and hypoxia-inducible factor- mediates a synergistic crosstalk leading to poor prognosis for patients with clear cell renal cell carcinoma.

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

Authors: Mallikarjuna P, Raviprakash TS, Aripaka K, Ljungberg B, Landström M

#### Species

Artificial Control

#### Dilution

Not Cited

#### Year

2019

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

### Immunohistochemistry (Paraffin) (1)

#### Journal of neuro-oncology

#### Somatic gain-of-function HIF2A mutations in sporadic central nervous system hemangioblastomas.

"PA1-46152 was used in immunohistochemistry - paraffin section to examine the association between central nervous system hemangioblastomas and HIF2A mutations"

Authors: Taïeb D, Barlier A, Yang C, Pertuit M, Tchoghandjian A, Rochette C, Zattara-Canoni H, Figarella-Branger D, Zhuang Z, Pacak K, Metellus P

#### Species

Human

#### Dilution

1:200

#### Year

2016

### Miscellaneous PubMed (1)

#### Biochimica et biophysica acta

#### N-3PUFA differentially modulate palmitate-induced lipotoxicity through alterations of its metabolism in C2C12 muscle cells.

"PA1-46152 was used in western blot to assess the effects of n-3PUFA on fatty acid metabolism and insulin sensitivity in muscle cells"

Authors: Pinel A, Rigaudière JP, Laillet B, Pouyet C, Malpuech-Brugère C, Prip-Buus C, Morio B, Capel F

#### Species

Mouse

#### Dilution

Not Cited

#### Year

2016

### More applications with references on thermofisher.com

### IHC (1)

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