

# GLUT1 Polyclonal Antibody

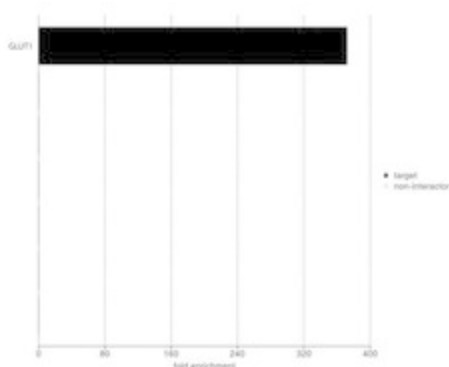
Product Details	
Size	500 µL
Species	Human, Rat
Published Species	Rat, Human, Mouse
Expression System	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthetic peptide derived from C-terminal of human GLUT-1
Form	Liquid
Concentration	0.24 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.4, with 1% BSA
Contains	0.1% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_10986893

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	Assay Dependent	3 Publications
Immunofluorescence (IF)	Assay Dependent	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	1:300	-
Immunohistochemistry (Paraffin) (IHC (P))	1:200	1 Publication
Immunohistochemistry (IHC)	-	16 Publications
Miscellaneous PubMed (Misc)	-	3 Publications
Western Blot (WB)	-	5 Publications

## Product Specific Information

PA5-16793 targets GLUT-1 in IHC (P), WB, and IF applications and shows reactivity with Human and Rat samples. The PA5-16793 immunogen is a synthetic peptide derived from C-terminal of human GLUT-1.

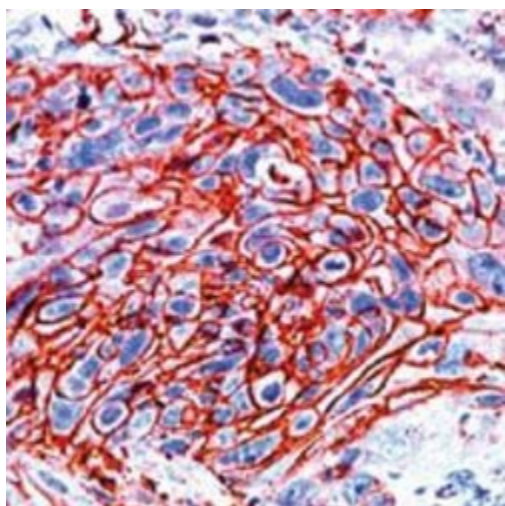
## Advanced Verification Data



### GLUT1 Antibody (PA5-16793)

IP-MS enrichment of GLUT1 (LFQ intensity): GLUT1 was enriched 372-fold from LNCAP lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and GLUT1 antibody (Product # PA5-16793). The STRING database ([www.string-db.org](http://www.string-db.org)) was used to identify the protein interactor list. See more information on IP-MS verification of antibody selectivity. IP-MS validation info.

## Product Images For GLUT1 Polyclonal Antibody



### GLUT1 Antibody (PA5-16793) in IHC

Formalin-fixed, paraffin-embedded human squamous cell carcinoma stained with Glut-1 antibody using peroxidase-conjugate and AEC chromogen. Note membrane staining of tumor cells.

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

## Western Blot (5)

### Scientific reports

#### Natural polyphenols as sirtuin 6 modulators.

"PA5-16793 was used in Western Blotting to show that flavonoids can alter SIRT6 activity in a structure dependent manner."

Authors: Rahnasto-Rilla M, Tyni J, Huovinen M, Jarho E, Kulikowicz T, Ravichandran S, A Bohr V, Ferrucci L, Lahtela-Kakkonen M, Moaddel R

**Species**  
Human

**Dilution**  
1:1000

**Year**  
2018

### PloS one

#### Dose-dependent effects of allopurinol on human foreskin fibroblast cells and human umbilical vein endothelial cells under hypoxia.

"PA5-16793 was used in western blot to study the effect of allopurinol treatment during hypoxia"

Authors: Sun Y, George J, Rocha S

**Species**  
Human

**Dilution**  
1:1000

**Year**  
2016

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

## Immunofluorescence (2)

### Oncotarget

#### Galectin-3 induced by hypoxia promotes cell migration in thyroid cancer cells.

"Published figure using GLUT1 polyclonal antibody (Product # PA5-16793) in Immunofluorescence"

Authors: Zheng J, Lu W, Wang C, Xing Y, Chen X, Ai Z

**Species**  
Human  
Not Applicable

**Dilution**  
Not Cited  
Not Cited

**Year**  
2017

### Nature communications

#### Glycoprotein 2 is a specific cell surface marker of human pancreatic progenitors.

"Published figure using GLUT1 polyclonal antibody (Product # PA5-16793) in Immunocytochemistry"

Authors: Cogger KF, Sinha A, Sarangi F, McGaugh EC, Saunders D, Dorrell C, Mejia-Guerrero S, Aghazadeh Y, Rourke JL, Screatton RA, Grompe M, Streeter PR, Powers AC, Brissova M, Kislinger T, Nostro MC

**Species**  
Not Applicable

**Dilution**  
Not Cited

**Year**  
2017

## More applications with references on thermofisher.com

ICC (3)   Misc (3)   IHC (16)   IHC (P) (1)

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