

Nur für Forschungszwecke

GLUT1 Monoklonaler Antikörper

Katalog-Nr.:66290-1-Ig

Vorgestelltes Produkt

35 Publikationen



Allgemeine Informationen

Katalog-Nr.:
66290-1-Ig

Größe:

150ul, Konzentration: 1000 µg/ml von6513

Nanodrop und 391 µg/ml durch die
Bradford-Methode mit BSA als
Standard;

Wirt:

Maus

Isotyp:

IgG1

Immunogen Katalognummer:

AG17108

GenBank-Zugangsnummer:

BC121804

GeneID (NCBI):

6513

Vollständiger Name:

solute carrier family 2 (facilitated
glucose transporter), member 1

Berechnete Masse:

492 aa, 54 kDa

Beobachtete Masse:

45-55 kDa

Reinigungsmethode:

Protein-G-Reinigung

CloneNo.:

2A5A2

Empfohlene Verdünnungen:

WB 1:500-1:3000

IHC 1:20-1:800

IF 1:200-1:800

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:

FC, IF, IHC, WB

Getestete Reaktivität:

Human, Maus

Zitierte Arten:

Human, Maus, Ratte

**Hinweis-IHC: Antigenmaskierung mit TE-
Puffer pH 9,0 empfohlen. (*) Wahlweise
kann die Antigenmaskierung auch mit
Citratpuffer pH 6,0 erfolgen.**

Positivkontrollen:

WB : HEK-293-Zellen, NIH/3T3-Zellen

IHC : humanes Lungenkarzinomgewebe,

IF : humanes Lungenkarzinomgewebe,

Hintergrundinformationen

GLUT1, also known as SLC2A1, is a ubiquitously expressed glucose transporter and responsible for the basal level of glucose uptake in most cell types. Human erythrocytes express the highest level of the GLUT1. Defects in SLC2A1 are the cause of GLUT1 deficiency syndrome type 1 and type 2. High expression of GLUT1 has been reported to be a reliable immunohistochemical marker for juvenile hemangiomas. GLUT1 protein may appear as two or more distinct forms among 43 kDa to 55 kDa due to the different glycosylation state. And the conversion of highly glycosylated form of GLUT1 to less glycosylated form has been reported to correlate to differentiation (PMID: 8263524, 23302780). 66290-1-Ig antibody can also detect the 130 kDa dimer protein in SDS-PAGE (PMID: 11681785).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Bin Zhang	32987196	Int J Biochem Cell Biol	WB
Hongshuo Zhang	33101047	Front Physiol	WB,IHC
Scott P Allen	31647549	Brain	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

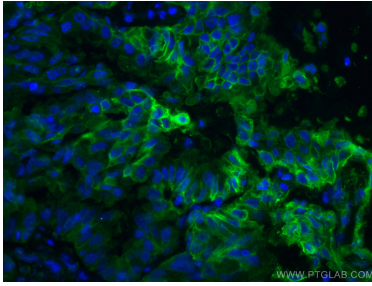
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

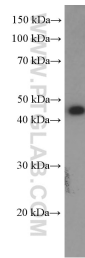
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech
Group brand and is not available to purchase from any
other manufacturer.

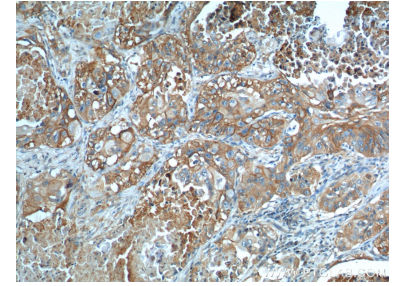
Ausgewählte Validierungsdaten



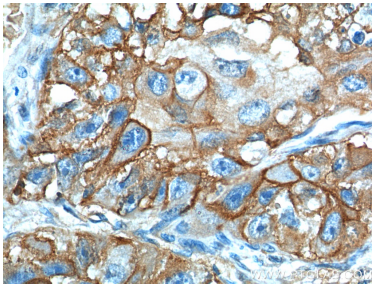
Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using GLUT1 antibody (66290-1-Ig, Clone: 2A5A2) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



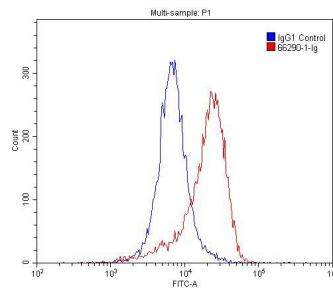
HEK-293 cells were subjected to SDS PAGE followed by western blot with 66290-1-Ig (SLC2A1, GLUT1 Antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66290-1-Ig (GLUT1 antibody) at dilution of 1:300 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66290-1-Ig (GLUT1 antibody) at dilution of 1:300 (under 40x lens).



1×10^6 Jurkat cells were stained with 0.2ug SLC2A1, GLUT1 antibody (66290-1-Ig, red) and control antibody (blue). Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100. Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1500.