

À des fins de recherche uniquement

Anticorps Monoclonal anti-GLUT1

Numéro de catalogue: 66290-1-Ig

Phare

37 Publications



Informations de base

Numéro de catalogue: 66290-1-Ig	Numéro d'acquisition GenBank: BC121804	Méthode de purification: Purification par protéine G
Taille: 150ul, Concentration: 1000 µg/ml by Nanodrop and 391 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 6513	CloneNo.: 2A5A2
Hôte: Mouse	Nom complet: solute carrier family 2 (facilitated glucose transporter), member 1	Dilutions recommandées: WB 1:500-1:3000 IHC 1:1000-1:4000 IF 1:200-1:800
Isotype: IgG1	MW calculé: 492 aa, 54 kDa	
Immunogen Catalog Number: AG17108	MW observés: 45-55 kDa	

Applications

Applications testées:
FC, IF, IHC, WB, ELISA

Demandes citées:
FC, IF, IHC, WB

Spécificité de l'espèce:
Humain, souris

Espèces citées:
Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

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

IHC : tissu de cancer du poumon humain,

IF : tissu de cancer du poumon humain,

Informations générales

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).

Publications notables

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

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

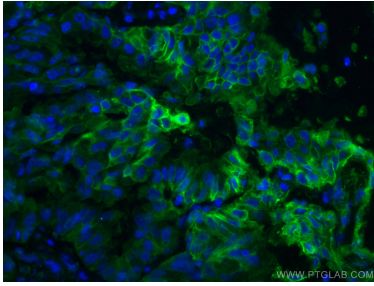
For technical support and original validation data for this product please contact:

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

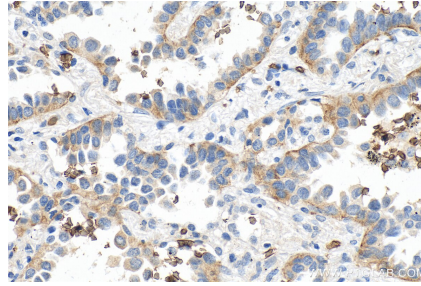
E: proteintech@ptglab.com
W: ptglab.com

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

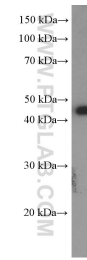
Données de validation sélectionnées



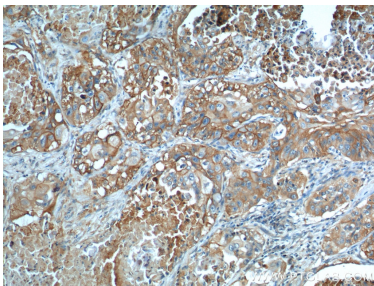
Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using GLUT1 antibody (66290-1-Ig, Clone: 2A5A2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



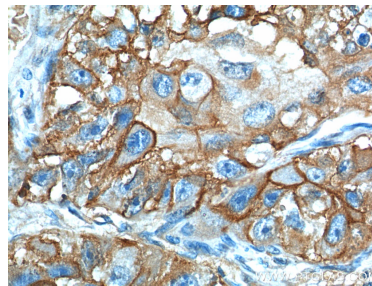
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66290-1-Ig (GLUT1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



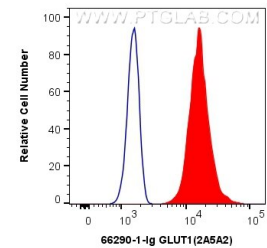
HEK-293 cells were subjected to SDS PAGE followed by western blot with 66290-1-Ig (SLC2A1, GLUT1 Antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



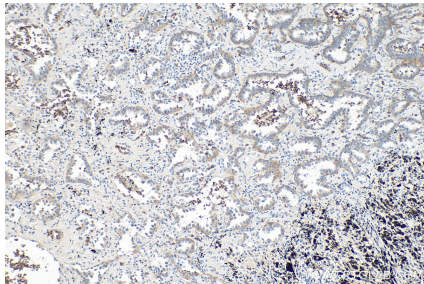
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66290-1-Ig (GLUT1 antibody) at dilution of 1:300 (under 10x lens).



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 intracellularly stained with 0.4 ug Anti-Human GLUT1 (66290-1-Ig, Clone:2A5A2) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 66290-1-Ig (GLUT1 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).