

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-GLUT1



Numéro de catalogue: 21829-1-AP

Phare

215 Publications

Informations de base

Numéro de catalogue: 21829-1-AP	Numéro d'acquisition GenBank: BC121804	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul , Concentration: 500 µg/ml by Nanodrop;	Identification du gène (NCBI): 6513	Dilutions recommandées: WB 1:1000-1:8000 IHC 1:2500-1:10000 IF 1:200-1:800
Hôte: Lapin	Nom complet: solute carrier family 2 (facilitated glucose transporter), member 1	
Isotype: IgG	MW calculé 492 aa, 54 kDa	
Immunogen Catalog Number: AG16282	MW observés: 45-55 kDa	

Applications

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

Demandes citées:
ChIP, FC, IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Chèvre, Humain, porc, rat, souris, Lasiopodomys Brandtii

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 HT-29, tissu de côlon de souris incubé à 37 °C

IHC : tissu cérébral de rat, tissu de cancer du col de l'utérus humain, tissu de cancer du poumon humain, tissu de cancer du sein humain

IF : cellules HeLa,

Informations générales

SLC2A1, also known as GLUT1, 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 SLC2A1. Defects in SLC2A1 are the cause of GLUT1 deficiency syndrome type 1 and type 2. High expression of SLC2A1 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). 21829-1-AP antibody can also detect the 25 kDa degradation protein in SDS-PAGE (PMID:18387950).

Publications notables

Autrice	Pubmed ID	Journal	Application
Haoran Li	28990097	Mol Med Rep	
Krishna B Singh	31555797	Carcinogenesis	
Teresa W-M Fan	36150727	J Immunol	

Stockage

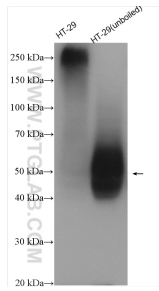
Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

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

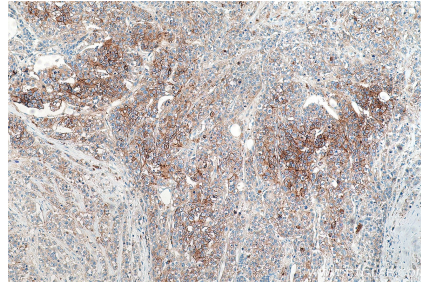
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

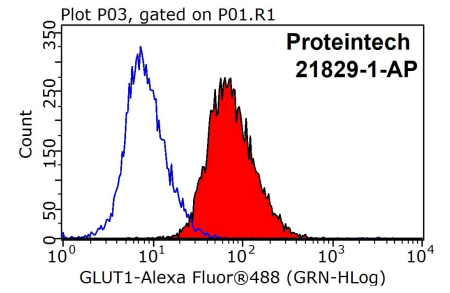
Données de validation sélectionnées



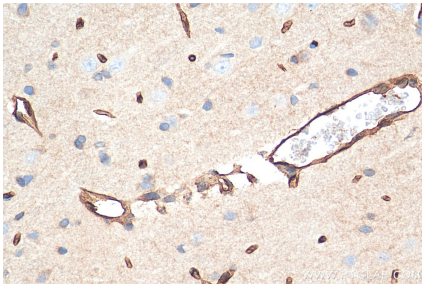
HT-29 cell lysates (boiled or unboiled) were subjected to SDS PAGE followed by western blot with 21829-1-AP (GLUT1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



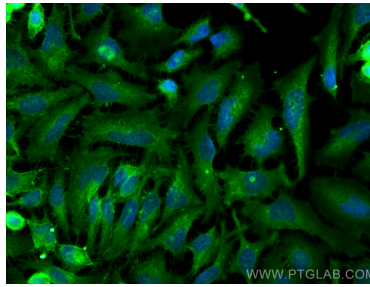
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 21829-1-AP (GLUT1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10⁶ HeLa cells were stained with 0.2ug SLC2A1, GLUT1 antibody (21829-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 21829-1-AP (GLUT1 antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using GLUT1 antibody (21829-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).