For Research Use Only

## GLUT1 Monoclonal antibody

Catalog Number:66290-1-lg Featured Product

68 Publications



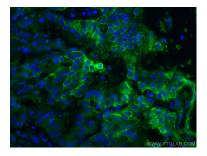
Basic Information	Catalog Number: 66290-1-lg	GenBank Accession Number: BC121804 GeneID (NCBI): / 6513 UNIPROT ID: P11166 Full Name: solute carrier family 2 (facilitated glucose transporter), member 1 Calculated MW: 492 aa, 54 kDa		Purification Method: Protein G purification						
	Size: 150ul, Concentration: 1000 ug/ml by Nanodrop; Source: Mouse Isotype: IgG1 Immunogen Catalog Number: AG17108			CloneNo.: 2A5A2 Recommended Dilutions: WB: 1:500-1:3000 IHC: 1:1000-1:4000 IF-P: 1:200-1:800 IF/ICC: 1:200-1:800 FC (Intra): 0.40 ug per 10^6 cells in a 100 µl suspension						
					Observed MW: 45-55 kDa					
					Applications	Tested Applications:		Positive Con	trols:	
						WB, IHC, IF/ICC, IF-P, FC (Intra), ELISA	A	WB: HEK-293	cells, NIH/3T3 cells	
						Cited Applications: WB, IHC, IF		IHC : human tissue	ı lung cancer tissue, human rectal cance n lung cancer tissue,	
						Species Specificity: human, mouse		IF-P : human		
						Cited Species:		IF/ICC : HeLa	cells,	
		human, mouse, rat		FC (Intra) : Jurkat cells,						
	buffer pH 6.0									
		biquitously expressed	l glucose transr							
Background Information	of glucose uptake in most cell types. are the cause of GLUT1 deficiency syr reliable immunohistochemical mark distinct forms among 43 kDa to 55 kD glycosylated form of GLUT1 to less gl	Human erythrocytes e ndrome type 1 and typ er for juvenile heman Da due to the different ycosylated form has b	xpress the high e 2. High expres giomas. GLUT1 glycosylation s een reported to	est level of the GLUT1. Defects in SLC2 ssion of GLUT1 has been reported to be protein may appear as two or more tate. And the conversion of highly correlate to differentiation (PMID:						
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA)

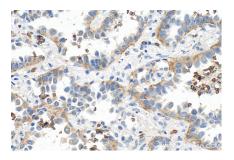
W: ptglab.com

Group brand and is not available to purchase from any other manufacturer.

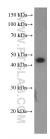
## Selected Validation Data



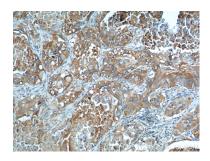
Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using GLUT1 antibody (66290-1-1g, Clone: 2A5A2) at dilution of 1:400 and Coralite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



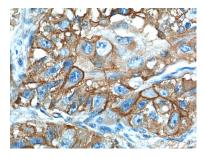
Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 66290-1-Ig (GLUT1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



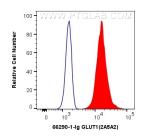
HEK-293 cells were subjected to SDS PAGE followed by western blot with 66290-1-1g (SLC2A1,GLUT1 Antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



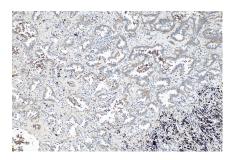
Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 66290-1-lg (GLUT1 antibody) at dilution of 1:300 (under 10x lens).



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



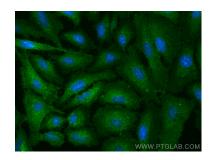
1X10^6 Jurkat cells were intracellularly stained with 0.4 ug Anti-Human GLUT 1 (66290-1-lg, Clone:2A5A2) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-lg, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



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



Immunohistochemical analysis of paraffinembedded human rectal cancer tissue slide using 66290-1-1g (GLUT1 antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using GLUT1 antibody (66290-1-Ig, Clone: 2A5A2) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002).