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# anti-GLUT12 antibody (AA 251-350)

2 Images



**Publications** 



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#### Overview

Quantity:	100 μL
Target:	GLUT12 (SLC2A12)
Binding Specificity:	AA 251-350
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GLUT12 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA, Immunofluorescence (Paraffinembedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffinembedded Sections) (IHC (p))

#### **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human GLUT12
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Chicken,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

### **Target Details**

Target: GLUT12 (SLC2A12)

## **Target Details**

Alternative Name:	GLUT12 (SLC2A12 Products)
Background:	Synonyms: GLUT8, GLUT12, Solute carrier family 2, facilitated glucose transporter member 12
	Glucose transporter type 12, GLUT-12, SLC2A12
	Background: GLUT12 belongs to a family of transporters that catalyze the uptake of sugars
	through facilitated diffusion. Thirteen different types of glucose/fructose transport carrier
	proteins designated as Glut 1-13 facilitate glucose/fructose transport across the cell
	membrane. Individual members of the Glut family have predicted secondary structure
	characteristic of 12 membrane spanning domains of other transport carriers.
Gene ID:	154091
UniProt:	Q8TD20
Pathways:	Warburg Effect
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be
	handled by trained staff only.
Storage:	4 °C,-20 °C

#### Handling

Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

#### **Publications**

#### Product cited in:

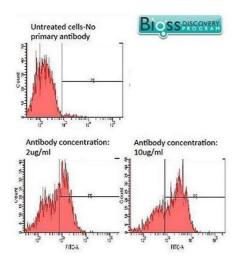
Gil-Iturbe, Castilla-Madrigal, Barrenetxe, Villaro, Lostao: "GLUT12 expression and regulation in murine small intestine and human Caco-2 cells." in: **Journal of cellular physiology**, Vol. 234, Issue 4, pp. 4396-4408, (2019) (PubMed).

Murakami, Chiba, Tsuboi, Matsumoto, Kawauchi, Fujihara, Mashima, Kanenishi, Yamamoto, Ueno: "Immunoreactivity of glucose transporter 8 is localized in the epithelial cells of the choroid plexus and in ependymal cells." in: **Histochemistry and cell biology**, Vol. 146, Issue 2, pp. 231-6, (2016) (PubMed).

Pujol-Gimenez, de Heredia, Idoate, Airley, Lostao, Evans: "Could GLUT12 be a Potential Therapeutic Target in Cancer Treatment? A Preliminary Report." in: **Journal of Cancer**, Vol. 6, Issue 2, pp. 139-43, (2015) (PubMed).

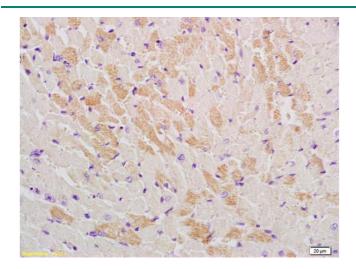
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#### **Images**



#### **Flow Cytometry**

**Image 1.** This image has been kindly submitted by Efi Tsouko from the University of Houston. Human LNCaP prostate cancer cells stained with Rabbit Anti-GLUT12 Polyclonal Antibody for 30 minutes at 4°C.Followed by secondary antibody AlexaFluor488 incubation for 30min 4°C in the dark.



#### **Immunohistochemistry**

**Image 2.** Formalin-fixed and paraffin embedded mouse heart labeled with Rabbit Anti-GLUT12 Polyclonal Antibody, Unconjugated (ABIN741765) at 1:200, followed by conjugation to the secondary antibody and DAB staining