Datasheet for ABIN705746

anti-SLC2A8 antibody (AA 401-477)

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Overview

Quantity:	100 µL
Target:	SLC2A8
Binding Specificity:	AA 401-477
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC2A8 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GLUT8
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	SLC2A8
Alternative Name:	GLUT8 (SLC2A8 Products)
Background:	Synonyms: GLUT8, GLUTX1, Solute carrier family 2, facilitated glucose transporter member 8, Glucose transporter type 8, GLUT-8, Glucose transporter type X1, SLC2A8

Target Details

	Background: Insulin-regulated facilitative glucose transporter. Binds cytochalasin B in a glucose-inhibitable manner. Seems to be a dual-specific sugar transporter as it is inhibitable by fructose (By similarity).
Gene ID:	29988
UniProt:	Q9NY64

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500
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
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:	Maria, Campolo, Lacombe: "Diabetes Alters the Expression and Translocation of the Insulin-Sensitive Glucose Transporters 4 and 8 in the Atria." in: **PLoS ONE**, Vol. 10, Issue 12, pp. e0146033, (2016) (PubMed). Murakami, Chiba, Tsuboi, Matsumoto, Kawauchi, Fujihara, Mashima, Kanenishi, Yamamoto, Ueno: "Immunoreactivity of glucose transporter 8 is localized in the epithelial cells of the

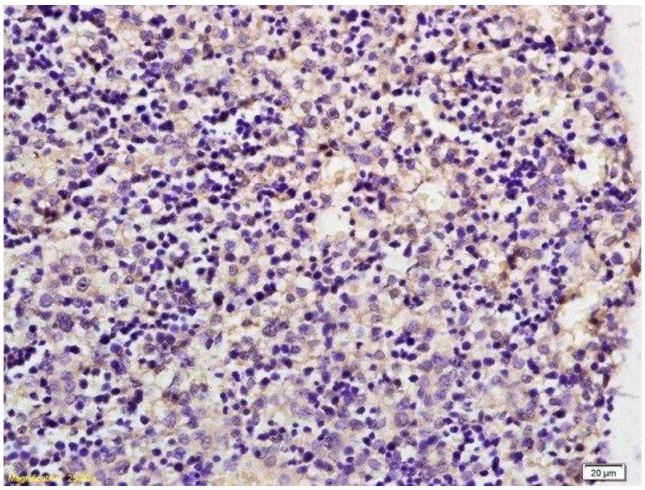
Publications

choroid plexus and in ependymal cells." in: **Histochemistry and cell biology**, Vol. 146, Issue 2, pp. 231-6, (2016) (PubMed).

Mashima, Chiba, Murakami, Uemura, Matsumoto, Kawauchi, Kanenishi, Hata, Ueno: "Glucose transporter 8 immunoreactivity in astrocytic and microglial cells in subependymal areas of human brains." in: **Neuroscience letters**, Vol. 636, pp. 90-94, (2016) (PubMed).

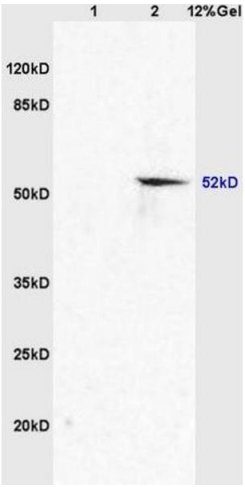
Jackson, Rendina-Ruedy, Smith, Lacombe: "Loss of Toll-Like Receptor 4 Function Partially Protects against Peripheral and Cardiac Glucose Metabolic Derangements During a Long-Term High-Fat Diet." in: **PLoS ONE**, Vol. 10, Issue 11, pp. e0142077, (2015) (PubMed).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin embedded mouse embryo labeled with Anti GLUT8 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



SDS-PAGE

Image 2. Lane 1: mouse embryo lysates Lane 2: mouse brain lysates probed with Anti AVPR2 Polyclonal Antibody, Unconjugated (ABIN705746) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 52kD. Observed band size: 52kD.

SDS-PAGE

Image 3. Formalin-fixed and paraffin embedded mouse embryo labeled with Anti GLUT8 Polyclonal Antibody, Unconjugated (ABIN705746) at 1:200 followed by conjugation to the secondary antibody and DAB staining

Please check the product details page for more images. Overall 4 images are available for ABIN705746.

