Datasheet for ABIN1742482

anti-GLUT4 antibody (AA 495-509)

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Overview

Quantity:	50 µg
Target:	GLUT4 (SLC2A4)
Binding Specificity:	AA 495-509
Reactivity:	Human, Mouse, Rat, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GLUT4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthetic peptide (aa 495-509 of human GLUT 4) coupled to KLH via an N-terminal added cysteine.
Specificity:	Specific for GLUT 4.
Purification:	Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization.

Target Details

Target:	GLUT4 (SLC2A4)
Alternative Name:	GLUT 4 (SLC2A4 Products)
Background:	Synonyms: SLC2A4
Pathways:	AMPK Signaling, Carbohydrate Homeostasis, Proton Transport, Brown Fat Cell Differentiation,

Target Details

	Warburg Effect

Application Details

Application Notes:	WB: 1 : 1000 (AP staining) IP: not tested yet ICC: not tested yet IHC-P: 1 : 200
Restrictions:	For Research Use only

Handling

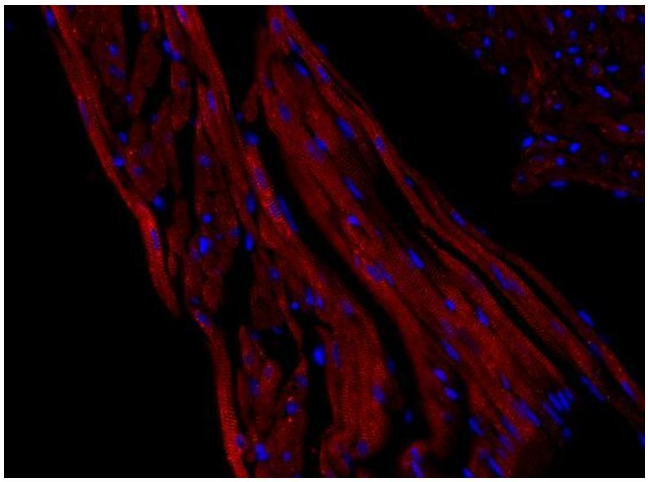
Format:	Lyophilized
Reconstitution:	For reconstitution add 50 µL H2O to get a 1mg/ml solution of antibody in PBS. Then aliquot and store at -20 °C until use.
Buffer:	PBS
Handling Advice:	Affinity purified antibodies are less robust than antisera, since protease inhibitors are also removed during purification. Hence, storage at 4 °C for prolonged periods (i.e. several weeks), is not recommended.
Storage:	-20 °C
Storage Comment:	Unlabeled lyophilized antibodies are stable in this form without loss of quality at ambient temperatures for several weeks or even months. They can be stored at 4°C for several years. Lyophilized antibodies must not be stored in the freezer, they may be destroyed!

Publications

Product cited in:	Roccisana, Sadler, Bryant, Gould: "Sorting of GLUT4 into its insulin-sensitive store requires the Sec1/Munc18 protein mVps45." in: **Molecular biology of the cell**, Vol. 24, Issue 15, pp. 2389-97, (2013) (PubMed). Boyle, Logan, Jones, Small, Sattar, Connell, Cleland, Salt: "AMP-activated protein kinase is activated in adipose tissue of individuals with type 2 diabetes treated with metformin: a randomised glycaemia-controlled crossover study." in: **Diabetologia**, Vol. 54, Issue 7, pp. 1799-809, (2011) (PubMed).

Western Blotting

Image 1.



Immunohistochemistry

Image 2.

