Datasheet for ABIN6147861

anti-SLC16A7 antibody (C-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	SLC16A7
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC16A7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 400 to the C-terminus of human SLC16A7 (NP_001257551.1).
Sequence:	TGEYKYMYMS CGAIVVAASV WLLIGNAINY RLLAKERKEE NARQKTRESE PLSKSKHSED VNVKVSNAQS VTSERETNI
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	SLC16A7

Target Details

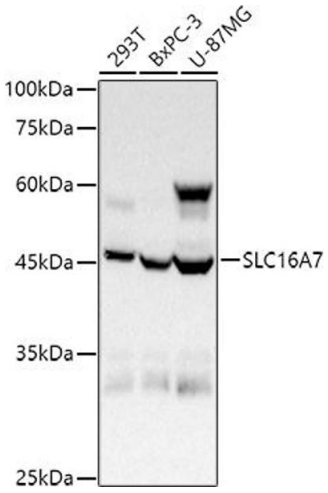
Alternative Name:	SLC16A7 (SLC16A7 Products)
Background:	This gene is a member of the monocarboxylate transporter family. Members in this family transport metabolites, such as lactate, pyruvate, and ketone bodies. The protein encoded by this gene catalyzes the proton-linked transport of monocarboxylates and has the highest affinity for pyruvate. This protein has been reported to be more highly expressed in prostate and colorectal cancer specimens when compared to control specimens. Alternative splicing results in multiple transcript variants.,SLC16A7,MCT2,Cancer,Signal Transduction,Endocrine & Metabolism,Carbohydrate metabolism,SLC16A7
Molecular Weight:	52 kDa
Gene ID:	9194
UniProt:	O60669

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

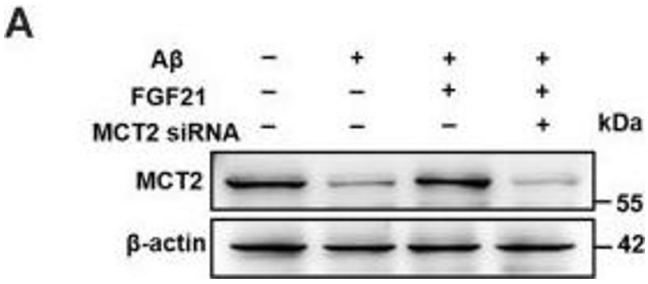
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

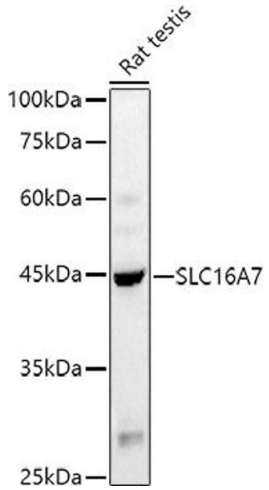
Image 1. Western blot analysis of extracts of various cell lines, using (ABIN6134859, ABIN6147861, ABIN6147862 and ABIN6215999) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 30s.



Western Blotting

Image 2. The roles of MCTs in the beneficial effects of FGF21. A. MCT2 expression of PC12 cells in a co-culture in vitro model was analyzed by western blot following transfection with MCT2 siRNA, and representative images are shown. B. Quantitative results for A. n=3. C. MCT4 expression in C6 cells in a co-culture in vitro model was analyzed by western blot following transfection with MCT4 siRNA, and representative images are shown. D. Quantitative results for C. n=3. E. Thr-181-p-tau, Thr-205-p-tau, Ser-404-p-tau and total tau levels of PC12 cells in a co-culture in vitro model were analyzed by western blot following transfection with MCT2 siRNA and MCT4 siRNA, respectively, and representative images are shown. F. Quantitative results for E. n=3. G. Thr-181-p-tau, Thr-205-p-tau, Ser-404-p-tau and total tau levels of PC12 cells in a co-culture in vitro model were analyzed by western blot following administration of the MCT2 inhibitor (AR-C155858, 1.25 nM), and representative images are shown. H. Quantitative results for G. n=3. I. Scheme for MCT siRNA in vivo transfection and FGF21 administration in mice. J-K. MCT siRNA was injected into the lateral ventricle of mice twice (on day 1 and day 3), followed by ICV administration of Aβ(25-35) (10 nmol) and FGF21 (1 µg) on day 3. For the FGFR1 inhibitor group, the inhibitor PD173074 (25 µg) was

administered 10 min earlier than Aβ(25-35) and FGF21 injections (on day 3). On day 7, ATP levels in the cortex (J) and hippocampus (K) were detected. n=3. All data are presented as the mean ± SEM. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, **** $p < 0.0001$. - figure provided by CiteAb. Source: PMID32724479



Western Blotting

Image 3. Western blot analysis of extracts of Rat testis, using (ABIN6134859, ABIN6147861, ABIN6147862 and ABIN6215999) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 180s.