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SLC16A8 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11651b

Product Information

Application	WB, E
Primary Accession	O95907
Other Accession	NP_037488.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31404
Calculated MW	52319
Antigen Region	466-493

Additional Information

Gene ID	23539
Other Names	Monocarboxylate transporter 3, MCT 3, Solute carrier family 16 member 8, SLC16A8, MCT3
Target/Specificity	This SLC16A8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 466-493 amino acids from the C-terminal region of human SLC16A8.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SLC16A8 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SLC16A8 (HGNC:16270)
Synonyms	MCT3
Function	Probable retinal pigment epithelium (RPE)-specific proton- coupled L-lactate

	transporter (By similarity). May facilitate transport of lactate and H(+) out of the retina and could therefore play a role in pH and ion homeostasis of the outer retina (By similarity).
Cellular Location	Basolateral cell membrane; Multi-pass membrane protein. Note=Basolateral sorting signals (BLSS) in C-terminal cytoplasmic tail ensure its basolateral expression (PubMed:21199217) Colocalizes with BSG in basolateral cell membrane of the retinal pigment epithelium (By similarity). {ECO:0000250|UniProtKB:O35308, ECO:0000269|PubMed:21199217}
Tissue Location	Retinal pigment epithelium.

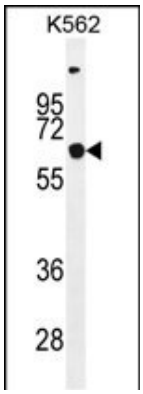
Background

SLC16A8 is a member of a family of proton-coupled monocarboxylate transporters that mediate lactate transport across cell membranes (Yoon et al., 1999 [PubMed 10493836]).[supplied by OMIM].

References

Yokoyama, K., et al. Nephron Clin Pract 115 (4), C237-C243 (2010) :
Wilson, M.C., et al. J. Biol. Chem. 280(29):27213-27221(2005)
Halestrap, A.P., et al. Pflugers Arch. 447(5):619-628(2004)
Philp, N.J., et al. Invest. Ophthalmol. Vis. Sci. 44(4):1716-1721(2003)
Dunham, I., et al. Nature 402(6761):489-495(1999)

Images



SLC16A8 Antibody (C-term) (Cat. #AP11651b) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the SLC16A8 antibody detected the SLC16A8 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.