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anti-SLC27A4 antibody (Middle Region)



Image



Publication



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Quantity:	100 μL
Target:	SLC27A4
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC27A4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human SLC27A4	
Sequence:	YKFQKTELRK EGFDPAIVKD PLFYLDAQKG RYVPLDQEAY SRIQAGEEKL	
Predicted Reactivity:	Cow: 86%, Dog: 86%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 93%, Rat: 93%	
Characteristics:	This is a rabbit polyclonal antibody against SLC27A4. It was validated on Western Blot using a cell lysate as a positive control.	
Purification:	Affinity Purified	

Target Details

Target:	SLC27A4
Alternative Name:	SLC27A4 (SLC27A4 Products)

Target Details

Background:	SLC27A4 is involved in translocation of long-chain fatty acids (LFCA) across the plasma	
	membrane. It appears to be the principal fatty acid transporter in small intestinal enterocytes.	
	SLC27A4 plays a role in the formation of the epidermal barrier. It is required for fat absorption in	
	early embryogenesis. SLC27A4 has acyl-CoA ligase activity for long-chain and very-long-chain	
	fatty acids.	
	Alias Symbols: ACSVL4, FATP4, IPS	
	Protein Interaction Partner: UBC, EPS8, vpu, BECN1, TMBIM4,	
	Protein Size: 643	
Molecular Weight:	72 kDa	
Gene ID:	10999	
NCBI Accession:	NM_005094, NP_005085	
UniProt:	Q6P1M0	
Pathways:	Monocarboxylic Acid Catabolic Process	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 643 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %	
	sucrose.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Handling Advice:	Avoid repeated freeze-thaw cycles.	
Storage:	-20 °C	
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small	

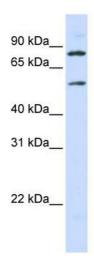
aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:

Spellman, Ahmed, Dubach, Gardiner: "Expression of trisomic proteins in Down syndrome model systems." in: **Gene**, Vol. 512, Issue 2, pp. 219-25, (2012) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-SLC27A4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: 293T cell lysate