Datasheet for ABIN7600117

anti-SLC27A4 antibody (AA 15-643)

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Overview

Quantity:	100 µg
Target:	SLC27A4
Binding Specificity:	AA 15-643
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC27A4 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-FATP4/SLC27A4 Antibody Picoband®
Immunogen:	E.coli-derived human FATP4/SLC27A4 recombinant protein (Position: K15-L643).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-FATP4/SLC27A4 Antibody Picoband® (ABIN7600117). Tested in ELISA, IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	SLC27A4
Alternative Name:	SLC27A4 (SLC27A4 Products)
Background:	Synonyms: Loricrin, LOR, LRN Tissue Specificity: Expressed in testis and to a lesser degree in brain, ovary and placenta. Found in most tissues at low levels. Background: Long-chain fatty acid transport protein 4 is a protein that in humans is encoded by the SLC27A4 gene. This gene encodes a member of a family of fatty acid transport proteins, which are involved in translocation of long-chain fatty acids cross the plasma membrane. This protein is expressed at high levels on the apical side of mature enterocytes in the small intestine, and appears to be the principal fatty acid transporter in enterocytes. Clinical studies suggest this gene as a candidate gene for the insulin resistance syndrome. Mutations in this gene have been associated with ichthyosis prematurity syndrome.
Molecular Weight:	70 kDa
Gene ID:	10999
UniProt:	Q6P1M0
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Esperon-Moldes, U. S., Ginarte, M., Santamarina, M., Rodriguez-Lage, B., Rodriguez-Pazos, L., Vega, A. Novel compound heterozygous FATP4 mutations caused ichthyosis prematurity syndrome in Spanish sisters. Acta Paediat. 108: 763-765, 2019. 2. Gertow, K., Bellanda, M., Eriksson, P., Boquist, S., Hamsten, A., Sunnerhagen, M., Fisher, R. M. Genetic and structural evaluation of fatty acid transport protein-4 in relation to markers of the insulin resistance syndrome. J. Clin. Endocr. Metab. 89: 392-399, 2004. 3. Hirsch, D., Stahl, A., Lodish, H. F. A family of fatty acid transporters conserved from mycobacterium to man. Proc. Nat. Acad. Sci. 95: 8625-8629, 1998.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.