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# SLC27A4 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant SLC27A4.
Catalog # AT3917a

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | Q6P1M0 |
| **Other Accession** | BC009959 |
| **Reactivity** | Human |
| **Host** | mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG1 kappa |
| **Clone Names** | 1F4-1B10 |
| **Calculated MW** | 72064 |

## Additional Information

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|---|---|
| **Gene ID** | 10999 |
| **Other Names** | Long-chain fatty acid transport protein 4, FATP-4, Fatty acid transport protein 4, 621-, Solute carrier family 27 member 4, SLC27A4, ACSVL4, FATP4 |
| **Target/Specificity** | SLC27A4 (AAH09959.1, 1 a.a. ~ 237 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Dilution** | WB~~1:500~1000 E~~N/A |
| **Format** | Clear, colorless solution in phosphate buffered saline, pH 7.2 . |
| **Storage** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| **Precautions** | SLC27A4 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Background

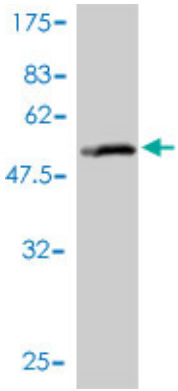
This gene encodes a member of a family of fatty acid transport proteins, which are involved in translocation of long-chain fatty acids cross the plasma membrane. This protein is expressed at high levels on the apical side of mature enterocytes in the small intestine, and appears to be the principal fatty 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.

## References

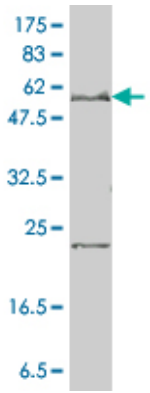
1.Interactions between FATP4 and ichthyin in epidermal lipid processing may provide clues to the

pathogenesis of autosomal recessive congenital ichthyosis.Li H, Vahlquist A, Torma H.J Dermatol Sci. 2012 Dec 13. pii: S0923-1811(12)00938-3. doi: 10.1016/j.jdermsci.2012.11.593.2.Adipokines promote lipotoxicity in human skeletal muscle cells.Taube A, Lambernd S, van Echten-Deckert G, Eckardt K, Eckel J.Arch Physiol Biochem. 2012 Jul;118(3):92-101. Epub 2012 Jun 12.3.Modulation of Fatty Acid Transport and Metabolism by Obesity in the Human Full-Term Placenta.Dube E, Gravel A, Martin C, Desparois G, Moussa I, Ethier-Chiasson M, Forest JC, Giguere Y, Masse A, Lafond J.Biol Reprod. 2012 May 2.4.Mutations in the Fatty Acid Transport Protein 4 Gene Cause the Ichthyosis Prematurity Syndrome.Klar J, Schweiger M, Zimmerman R, Zechner R, Li H, Torma H, Vahlquist A, Bouadjar B, Dahl N, Fischer J.Am J Hum Genet. 2009 Aug;85(2):248-53. Epub 2009 Jul 23.5.Fatty acid transport and activation and the expression patterns of genes involved in fatty acid trafficking.Sandoval A, Fraisl P, Arias-Barrau E, DiRusso CD, Singer D, Sealls W, Black PN.Arch Biochem Biophys. 2008 Sep 15;477(2):363-71. Epub 2008 Jun 20.

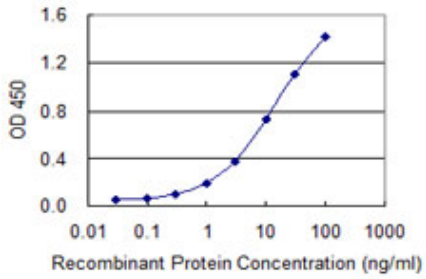
## Images




Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (51.81 KDa) .




SLC27A4 monoclonal antibody (M01), clone 1F4-1B10 Western Blot analysis of SLC27A4 expression in HeLa ( (Cat # AT3917a )




Detection limit for recombinant GST tagged SLC27A4 is 0.1 ng/ml as a capture antibody.

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