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SLC27A4 Antibody (monoclonal) (M01)

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

Specification

SLC27A4 Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	Q6P1M0
Other Accession	BC009959
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 kappa**
Calculated MW	**72064**

SLC27A4 Antibody (monoclonal) (M01) - Additional Information

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

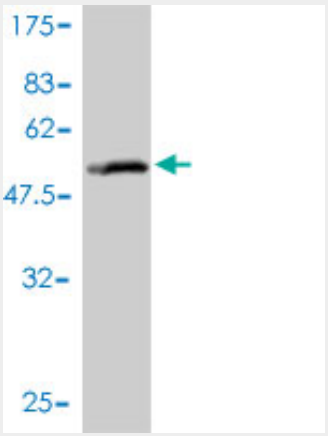
Target/Specificity
SLC27A4 (AAH09959.1, 1 a.a. ~ 237 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

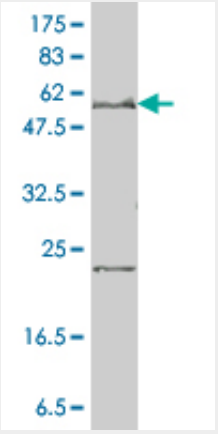
Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

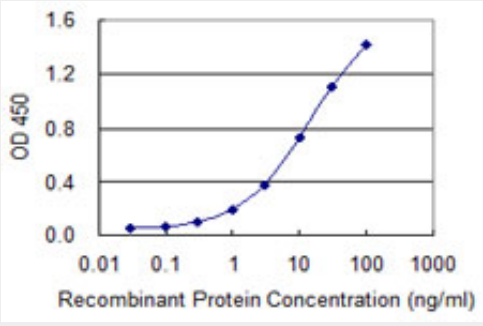
Precautions
SLC27A4 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.



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

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Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SLC27A4 is 0.1 ng/ml as a capture antibody.

SLC27A4 Antibody (monoclonal) (M01) - 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.

SLC27A4 Antibody (monoclonal) (M01) - 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.