

**FABP3 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a full length recombinant FABP3.****Catalog # AT1985a****Specification**

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**FABP3 Antibody (monoclonal) (M01) - Product Information**

Application	<b>WB, E</b>
Primary Accession	<a href="#">P05413</a>
Other Accession	<a href="#">BC007021</a>
Reactivity	<b>Human</b>
Host	<b>mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG2a kappa</b>
Calculated MW	<b>14858</b>

**FABP3 Antibody (monoclonal) (M01) - Additional Information****Gene ID** 2170**Other Names**

Fatty acid-binding protein, heart, Fatty acid-binding protein 3, Heart-type fatty acid-binding protein, H-FABP, Mammary-derived growth inhibitor, MDGI, Muscle fatty acid-binding protein, M-FABP, FABP3, FABP11, MDGI

**Target/Specificity**

FABP3 (AAH07021, 1 a.a. ~ 133 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**

FABP3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

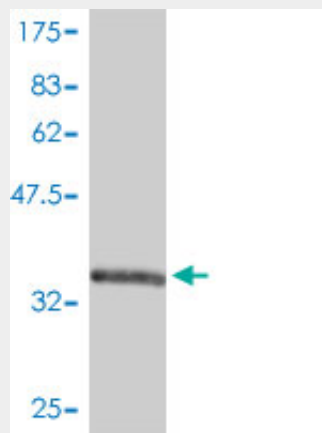
**FABP3 Antibody (monoclonal) (M01) - Protocols**

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

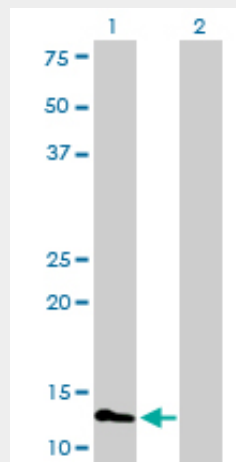
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### FABP3 Antibody (monoclonal) (M01) - Images

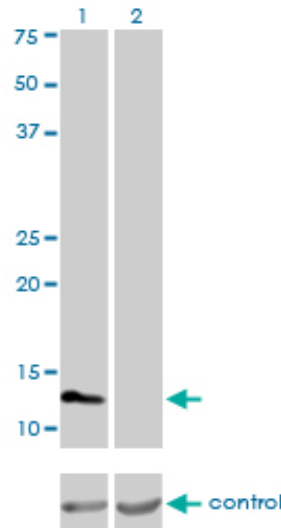


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (40.37 kDa) .

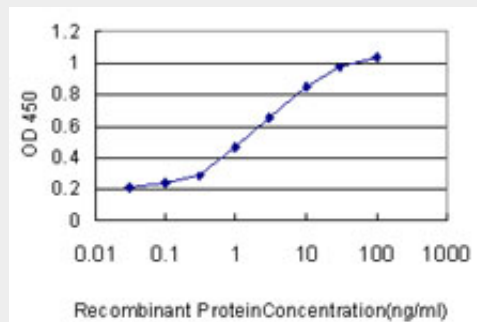


Western Blot analysis of FABP3 expression in transfected 293T cell line by FABP3 monoclonal antibody (M01), clone 4F6-1D6.

Lane 1: FABP3 transfected lysate (14.9 kDa).  
Lane 2: Non-transfected lysate.



Western blot analysis of FABP3 over-expressed 293 cell line, cotransfected with FABP3 Validated Chimera RNAi ( (Cat # AT1985a )



Detection limit for recombinant GST tagged FABP3 is approximately 0.1ng/ml as a capture antibody.

### **FABP3 Antibody (monoclonal) (M01) - Background**

The intracellular fatty acid-binding proteins (FABPs) belongs to a multigene family. FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15 kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. They may also be responsible in the modulation of cell growth and proliferation. Fatty acid-binding protein 3 gene contains four exons and its function is to arrest growth of mammary epithelial cells. This gene is a candidate tumor suppressor gene for human breast cancer.

### **FABP3 Antibody (monoclonal) (M01) - References**

Association Study of Energy Homeostasis Genes and Antipsychotic-Induced Weight Gain in Patients with Schizophrenia. Jassim G, et al. *Pharmacopsychiatry*, 2010 Sep 6. PMID 20821366. Correlation of heart-type fatty acid-binding protein with mortality and echocardiographic data in patients with pulmonary embolism at intermediate risk. Boscheri A, et al. *Am Heart J*, 2010 Aug. PMID 20691835. An approach based on a genome-wide association study reveals candidate loci for narcolepsy. Shimada M, et al. *Hum Genet*, 2010 Oct. PMID 20677014. Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. *Diabetes Care*, 2010 Jul 13. PMID 20628086. Association study of 182 candidate genes in anorexia nervosa. Pinheiro AP, et al. *Am J Med Genet B Neuropsychiatr Genet*, 2010 Jul. PMID 20468064.