

**FABP4 Antibody (monoclonal) (M06)****Mouse monoclonal antibody raised against a full length recombinant FABP4.****Catalog # AT1987a****Specification**

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**FABP4 Antibody (monoclonal) (M06) - Product Information**

Application	<b>WB, E</b>
Primary Accession	<a href="#">P15090</a>
Other Accession	<a href="#">BC003672</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG2a Kappa</b>
Calculated MW	<b>14719</b>

**FABP4 Antibody (monoclonal) (M06) - Additional Information****Gene ID** 2167**Other Names**

Fatty acid-binding protein, adipocyte, Adipocyte lipid-binding protein, ALBP, Adipocyte-type fatty acid-binding protein, A-FABP, AFABP, Fatty acid-binding protein 4, FABP4

**Target/Specificity**

FABP4 (AAH03672, 1 a.a. ~ 132 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**

FABP4 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

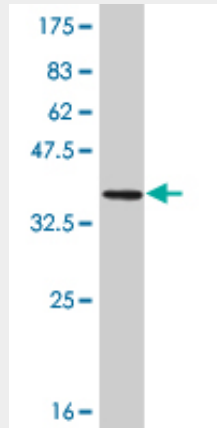
**FABP4 Antibody (monoclonal) (M06) - Protocols**

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

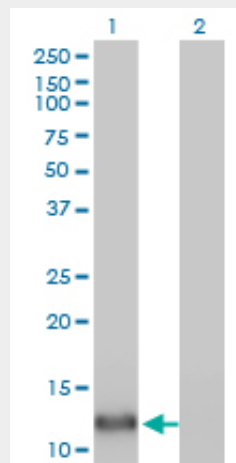
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

### FABP4 Antibody (monoclonal) (M06) - Images



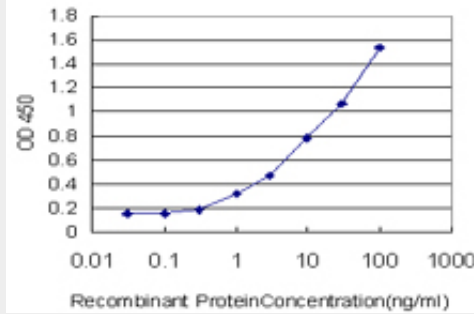
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (40.26 kDa) .



Western Blot analysis of FABP4 expression in transfected 293T cell line by FABP4 monoclonal antibody (M06), clone 4G1.

Lane 1: FABP4 transfected lysate (14.7 kDa).

Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged FABP4 is approximately 0.3ng/ml as a capture antibody.

### **FABP4 Antibody (monoclonal) (M06) - Background**

FABP4 encodes the fatty acid binding protein found in adipocytes. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism.

### **FABP4 Antibody (monoclonal) (M06) - References**

Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-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. Soluble fibre (Plantago ovata husk) reduces plasma low-density lipoprotein (LDL) cholesterol, triglycerides, insulin, oxidised LDL and systolic blood pressure in hypercholesterolaemic patients: A randomised trial. Sol? R, et al. *Atherosclerosis*, 2010 Aug. PMID 20413122. FABP4 plasma levels are increased in familial combined hyperlipidemia. Cabr? A, et al. *J Lipid Res*, 2010 May. PMID 20388924. Circulating adipocyte fatty acid binding protein levels in healthy preterm infants: Positive correlation with weight gain and total-cholesterol levels. Sihanidou T, et al. *Early Hum Dev*, 2010 Apr. PMID 20231079. Fatty-acid binding protein 4 gene variants and childhood obesity: potential implications for insulin sensitivity and CRP levels. Khalyfa A, et al. *Lipids Health Dis*, 2010 Feb 15. PMID 20156355.