

## Product datasheet for **AM06386SU-N**

### **FABP4 Mouse Monoclonal Antibody [Clone ID: 9B8D]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	9B8D
Applications:	ELISA, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500 - 1/2000. <b>ELISA:</b> 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of FABP4 expressed in E. Coli.
Specificity:	This antibody reacts to FABP4.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	14 kDa
Gene Name:	fatty acid binding protein 4
Database Link:	<a href="#">Entrez Gene 2167 Human P15090</a>



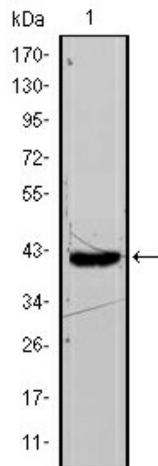
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**Background:**

Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long chain fatty acids, their coenzymes and other hydrophobic ligands and small molecules in the cytoplasm. It is thought that the role of these proteins includes fatty acid uptake, intracellular lipid transport and metabolism. FABP4 encodes the fatty acid binding protein found in adipocytes. FABP4 knockout mice fed a high-fat and high-calorie diet become obese but develop neither insulin resistance nor diabetes, suggesting that this protein might be a link between obesity and insulin resistance and diabetes. A related study in humans indicated a similar pattern, suggesting that FABP4 may be a potential therapeutic target in the treatment of these disorders.

**Synonyms:**

A-FABP, Adipocyte lipid-binding protein, Fatty acid-binding protein 4

**Product images:**

Western blot analysis using FABP4 mouse mAb against FABP4-hlgGfc transfected HEK293 cell lysate.