

Mouse Monoclonal Antibody to FABP4

Catalogue Number	sAP-0334
Target Molecule	Name: FABP4 Aliases: aP2; A-FABP; FABP4 MW: 14kDa Entrez Gene ID: 2167
Description	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.
Immunogen	Purified recombinant fragment of FABP4 expressed in E. Coli.
Recombinant Species	Human
Clone	MM9B8D;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Proc. Natl. Acad. Sci. 2006.103:6970–75. ; 2. Science. 1996. 274:1377–79. ; 3. Biochemistry. 1997.36 (27):8311-7 ; 4. Mol Cell Biochem. 2004.302(1-2):203-13 ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**