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FABP1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full length recombinant FABP1.
Catalog # AT1984a

Product Information

Application	WB, E
Primary Accession	P07148
Other Accession	BC032801
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	5F7
Calculated MW	14208

Additional Information

Gene ID	2168
Other Names	Fatty acid-binding protein, liver, Fatty acid-binding protein 1, Liver-type fatty acid-binding protein, L-FABP, FABP1, FABPL
Target/Specificity	FABP1 (AAH32801, 1 a.a. ~ 127 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
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	FABP1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

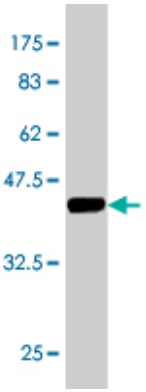
FABP1 encodes the fatty acid binding protein found in liver. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABP1 and FABP6 (the ileal fatty acid binding protein) are also able to bind bile acids. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism.

References

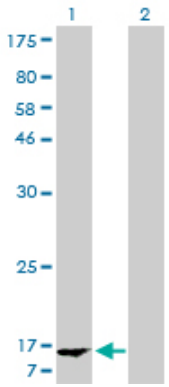
Variation at the NFATC2 Locus Increases the Risk of Thiazolinedinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes

Care, 2010 Jul 13. PMID 20628086.Millisecond timescale dynamics of human liver fatty acid binding protein: testing of its relevance to the ligand entry process. Long D, et al. Biophys J, 2010 Jun 16. PMID 20550918.Identification of type 2 diabetes-associated combination of SNPs using support vector machine. Ban HJ, et al. BMC Genet, 2010 Apr 23. PMID 20416077.Urinary liver-type fatty acid-binding protein predicts progression to nephropathy in type 1 diabetic patients. Nielsen SE, et al. Diabetes Care, 2010 Jun. PMID 20185732.Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.

Images

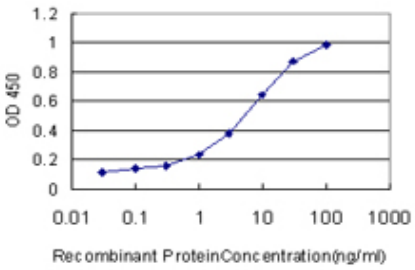


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (39.71 KDa) .

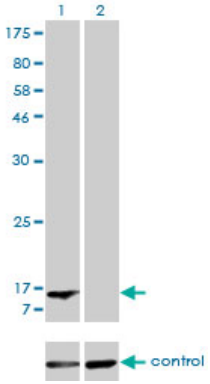


Western Blot analysis of FABP1 expression in transfected 293T cell line by FABP1 monoclonal antibody (M02), clone 5F7.

Lane 1: FABP1 transfected lysate(14.2 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged FABP1 is approximately 0.1ng/ml as a capture antibody.



Western blot analysis of FABP1 over-expressed 293 cell line, cotransfected with FABP1 Validated Chimera RNAi ((Cat # AT1984a)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.