A-FABP mouse mAb

Catalog No	BYmab-00784
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	FABP4
Protein Name	A-FABP
Immunogen	Synthesized peptide derived from human A-FABP AA range: 80-120
Specificity	This antibody detects endogenous levels of Human A-FABP
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Fatty acid-binding protein, adipocyte (Adipocyte lipid-binding protein;ALBP;Adipocyte-type fatty acid-binding protein;A-FABP;AFABP;Fatty acid-binding protein 4)
Observed Band	15KDa
Cell Pathway	Cytoplasm . Nucleus . Depending on the nature of the ligand, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus. Subject to constitutive nuclear export. .
Tissue Specificity	
Function	domain:Forms a beta-barrel structure that accommodates hydrophobic ligands in its interior.,function:Lipid transport protein in adipocytes. Binds both long chain fatty acids and retinoic acid. Delivers long-chain fatty acids and retinoic acid to their cognate receptors in the nucleus.,similarity:Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.,subcellular location:Depending on the nature of the ligand, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus. Subject to constitutive nuclear export.,subunit:Homodimer. Interacts with PPARG (By

	similarity). Monomer.,
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. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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