



A-FABP Monoclonal Antibody

Catalog No	BYab-00594
Isotype	IgG
Reactivity	Human
Applications	WB;ELISA
Gene Name	FABP4
Protein Name	Fatty acid-binding protein, adipocyte
Immunogen	Purified recombinant fragment of A-FABP (aa61-121) expressed in E. Coli.
Specificity	A-FABP Monoclonal Antibody detects endogenous levels of A-FABP protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FABP4; 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	
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	Urinary bladder,
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.,

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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],

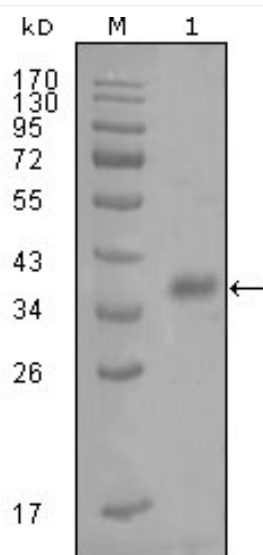
matters needing attention

Avoid repeated freezing and thawing!

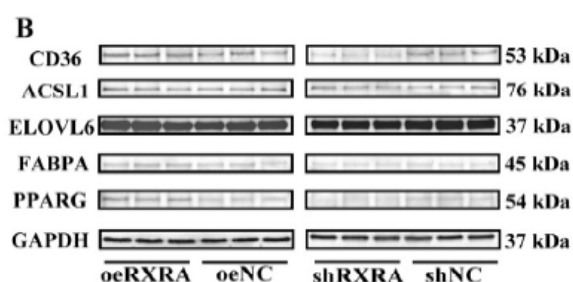
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using A-FABP Monoclonal Antibody against truncated Trx-FABP4 recombinant protein (1).



A Novel in Duck Myoblasts: The Transcription Factor Retinoid X Receptor Alpha (RXRA) Inhibits Lipid Accumulation by Promoting CD36 Expression
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES Ziyi Pan, Xingyong Chen, Dongsheng Wu, Xuewen Li, Weifeng Gao, Guoyu Li, Guoqing Du, Cheng Zhang, Sihua Jin, Zhaoyu Geng WB Duck myoblasts (CS2 cells)