

A-FABP Monoclonal Antibody

Catalog No :	YM0013
Reactivity :	Human
Applications :	WB;ELISA
Target :	A-FABP
Fields :	>>PPAR signaling pathway;>>Regulation of lipolysis in adipocytes
Gene Name :	FABP4
Protein Name :	Fatty acid-binding protein, adipocyte
Human Gene Id :	2167
Human Swiss Prot No :	P15090
Mouse Swiss Prot No :	P04117
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 :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	15kD
Cell Pathway :	PPAR;

P References :

1. J Biol Chem. 2004 Dec 10;279(50):52399-405.
2. Mol Cell Proteomics. 2005 Apr;4(4):570-81.

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],

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.,

Subcellular Location :

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. .

Expression :

Urinary bladder,

Tag :

orthogonal

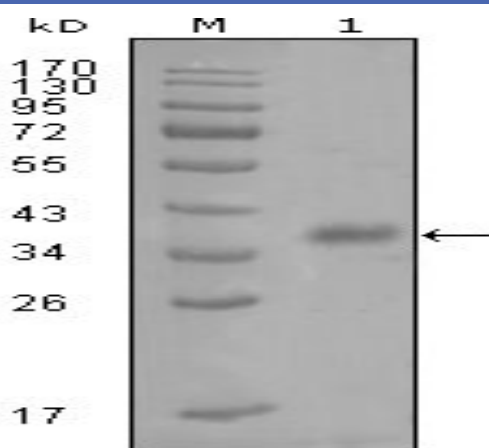
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1775

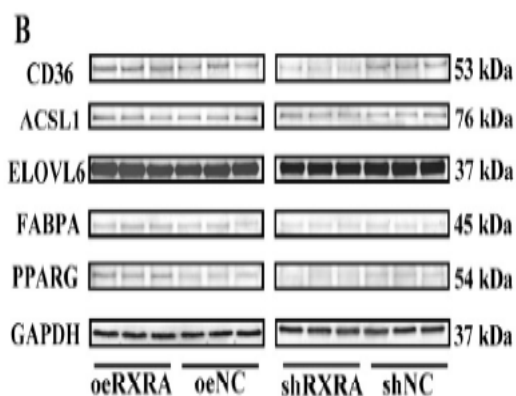
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Products Images



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



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