

## A-FABP Monoclonal Antibody

<b>Catalog No :</b>	YM0013
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	A-FABP
<b>Fields :</b>	>>PPAR signaling pathway;>>Regulation of lipolysis in adipocytes
<b>Gene Name :</b>	FABP4
<b>Protein Name :</b>	Fatty acid-binding protein, adipocyte
<b>Human Gene Id :</b>	2167
<b>Human Swiss Prot No :</b>	P15090
<b>Mouse Swiss Prot No :</b>	P04117
<b>Immunogen :</b>	Purified recombinant fragment of A-FABP (aa61-121) expressed in E. Coli.
<b>Specificity :</b>	A-FABP Monoclonal Antibody detects endogenous levels of A-FABP protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	15kD
<b>Cell Pathway :</b>	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

**Sort :**

1775

**No4 :**

1

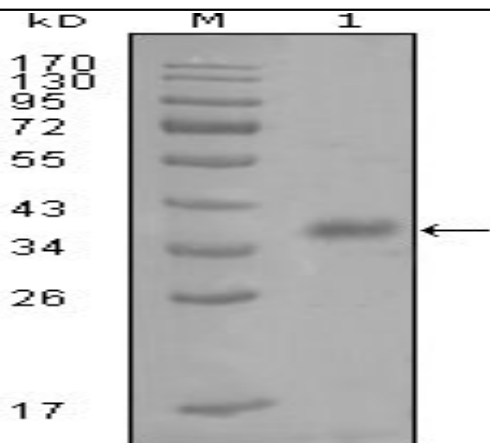
**Host :**

Mouse

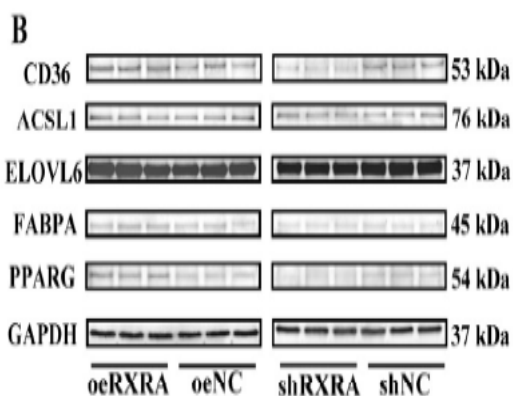
**Modifications :**

Unmodified

## 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 Zhaoyu Geng WB,IF Duck myoblasts (CS2 cells)