



## Mouse Anti-FABP4 antibody (SLM51247M)

SLM51247M

<b>Product Name:</b>	FABP4
<b>Chinese Name:</b>	小鼠抗脂肪细胞型脂肪酸Binding protein单克隆抗体
<b>Alias:</b>	adipocyte; 3T3-L1 lipid-binding protein; 422/aP2; A FABP; A-FABP; Adipocyte lipid binding protein; Adipocyte lipid-binding protein; Adipocyte protein AP2; Adipocyte-type fatty acid-binding protein; AFABP; ALBPv ALBP/Ap2; aP2; FABP; FABP4; FABP4_HUMAN; Fatty acid binding protein 4 adipocyte; Fatty acid binding protein 4; Fatty acid binding protein adipocyte; Fatty acid-binding protein 4; Fatty acid-binding protein; Lbpl; Myelin P2 protein homolog; P15v P2 adipocyte protein; Protein 422.
<b>Organism Species:</b>	Mouse
<b>Clonality:</b>	Monoclonal
<b>克隆号:</b>	6F3
<b>React Species:</b>	Human,Mouse,
<b>Applications:</b>	WB=1:500-2000IHC-P=1:20-200IHC-F=1:20-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	14kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	Recombinant human FABP4 protein:
<b>Lsotype:</b>	IgG1
<b>Purification:</b>	affinity purified by Protein G
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>

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].

**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.

**Subunit:**

Monomer. Homodimer. Interacts with PPARG.

**Subcellular Location:**

Cytoplasm. Nucleus. Note=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.

**Similarity:**

Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.

**SWISS:**

P15090

**Gene ID:**

2167

**Database links:**

[Entrez Gene: 2167](#)Human

[Entrez Gene: 11770](#)Mouse

[Entrez Gene: 79451](#)Rat

[Omim: 600434](#)Human

[SwissProt: P15090](#)Human

[SwissProt: P04117](#)Mouse

[SwissProt: P70623](#)Rat

[Unigene: 391561](#)Human

[Unigene: 582](#)Mouse

**Product Detail:**

[Unigene: 4258Rat](#)

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.