

**FABP4 Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO1202a**

**Specification**

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**FABP4 Antibody - Product Information**

Application	<b>WB, IHC</b>
Primary Accession	<a href="#">P15090</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG1</b>

**Description**

FABP4: fatty acid binding protein 4, adipocyte. 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.

**Immunogen**

Purified recombinant fragment of FABP4 (aa61-121) expressed in E. Coli.

**Formulation**

Ascitic fluid containing 0.03% sodium azide. <br />

**FABP4 Antibody - Additional Information**

**Gene ID** 2167

**Other Names**

Fatty acid-binding protein, adipocyte, Adipocyte lipid-binding protein, ALBP, Adipocyte-type fatty acid-binding protein, A-FABP, AFABP, Fatty acid-binding protein 4, FABP4

**Dilution**

WB~~1/500 - 1/2000

IHC~~1:200~~1000

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

FABP4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**FABP4 Antibody - Protein Information**

**Name** FABP4

### 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.

### Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:P04117}. Nucleus {ECO:0000250|UniProtKB:P04117}.

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. {ECO:0000250|UniProtKB:P04117}

### FABP4 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### FABP4 Antibody - Images

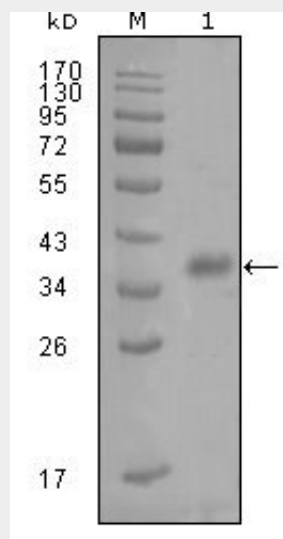


Figure 1: Western blot analysis using FABP4 mouse mAb against truncated Trx-FABP4 recombinant protein (1).

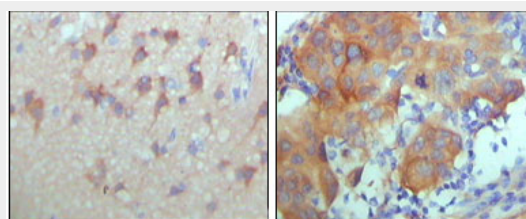


Figure 2: Immunohistochemical analysis of paraffin-embedded human cerebra (left) and breast carcinoma tissue (right), showing cytoplasmic and membrane location with DAB staining using

ERBB3 mouse mAb.

#### **FABP4 Antibody - References**

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