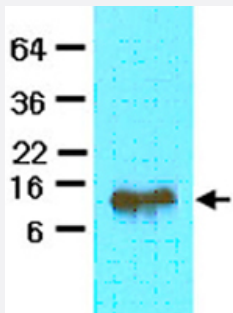


# FABP4 monoclonal antibody, clone 3F4

Catalog # MAB2059

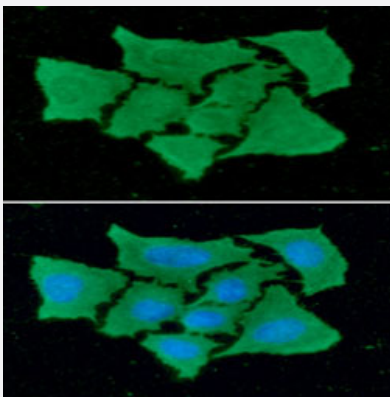
Size 100 uL

## Applications



### Western Blot (Tissue lysate)

Western blot analysis of mouse heart tissue lysate.



### Immunofluorescence

Immunofluorescence analysis of HeLa cells. The cell was stained with FABP4 monoclonal antibody, clone 3F4 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

## Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant FABP4.
Immunogen	Recombinant protein corresponding to amino acids 1-132 of human FABP4.
Host	Mouse
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

Isotype	IgG1, kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	ELISA Immunocytochemistry Immunofluorescence Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (10% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Tissue lysate)

Western blot analysis of mouse heart tissue lysate.

- Immunocytochemistry

- Immunofluorescence

Immunofluorescence analysis of HeLa cells. The cell was stained with FABP4 monoclonal antibody, clone 3F4 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — FABP4

Entrez GeneID	<a href="#">2167</a>
Protein Accession#	<a href="#">NP_001433</a>
Gene Name	FABP4
Gene Alias	A-FABP, aP2
Gene Description	fatty acid binding protein 4, adipocyte
Omim ID	<a href="#">600434</a>

## Gene Ontology

[Hyperlink](#)

## Gene Summary

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]

## Other Designations

-

## Publication Reference

- [Treatment of diabetes and atherosclerosis by inhibiting fatty-acid-binding protein aP2.](#)

Furuhashi M, Tuncman G, Gorgun CZ, Makowski L, Atsumi G, Vaillancourt E, Kono K, Babaev VR, Fazio S, Linton MF, Sulsky R, Robl JA, Parker RA, Hotamisligil GS.

Nature 2007 Jun; 447(7147):959.

Application: WB-Ti, Mouse, Mouse adipose tissues

- [The adipocyte fatty acid-binding protein aP2 is required in allergic airway inflammation.](#)

Shum BO, Mackay CR, Gorgun CZ, Frost MJ, Kumar RK, Hotamisligil GS, Rolph MS.

The Journal of Clinical Investigation 2006 Aug; 116(8):2183.

Application: IHC-P, Mouse, Mouse lung

## Pathway

- [PPAR signaling pathway](#)

## Disease

- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)

- [Hypertriglyceridemia](#)
- [Insulin Resistance](#)
- [Lymphedema](#)
- [Metabolic Syndrome X](#)
- [Obesity](#)