

# FABP4 Antibody

Mouse Monoclonal Antibody (Mab) Catalog # AM2235b

## **Product Information**

**Application** WB, IHC-P, E **Primary Accession** P15090

**Reactivity** Human, Mouse

Host Mouse
Clonality Monoclonal
Isotype IgG1

Clone Names 1105CT1.1.1
Calculated MW 14719
Antigen Region 1-132

## **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

**Target/Specificity** Purified His-tagged FABP4 protein was used to produced this monoclonal

antibody.

**Dilution** WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.

**Format** Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein G column, followed by dialysis

against PBS.

**Storage** Maintain refrigerated at 2-8°C for up to 2 weeks. 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.

### **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}

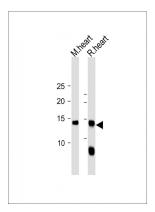
## **Background**

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 (By similarity).

## References

Baxa C.A., et al. Biochemistry 28:8683-8690(1989). Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases. Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases. Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases. Sjoeblom T., et al. Science 314:268-274(2006).

## **Images**



All lanes: Anti-FABP4 at 1:2000 dilution Lane 1: Mouse heart lysate Lane 2: Rat heart lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Mouse IgG, (H+L), Peroxidase conjugated (ASP1613) at 1/8000 dilution. Observed band size: 14 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

## **Citations**

• LDHB and FABP4 are Associated With Progression and Poor Prognosis of Pancreatic Ductal Adenocarcinomas.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.