

Human FABP3/H-FABP antibody

Catalog Number: ATGA0467

PRODUCT INFORMATION

Catalog number

ATGA0467

Clone No.

AT9F10

Product type

Monoclonal Antibody

UnitProt No.

P05413

NCBI Accession No.

NP_004093

Alternative Names

Fatty acid binding protein 3 muscle and heart, H-FABP, M-FABP, MDGI, FABP11, cardiac fabp, Fatty acid binding protein 3, Muscle fatty acid binding protein, 422 protein, Cardiac Fatty Acid Binding Protein, FABP3, Fatty acid binding protein 3 muscle, Fatty acid binding protein 3 muscle and heart mammary derived growth inhibitor, Fatty acid binding protein 11, Fatty acid binding protein heart, H FABP, Heart type fatty acid binding protein, M FABP, Mammary derived growth inhibitor, Myelin protein P2 homolog, O FABP, P2 adipocyte protein

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human FABP3 (1-133aa) purified from E. coli

Isotype

IgG1 kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB

Usage

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since

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application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

FABP3 (Fatty acid binding protein 3) is also known as heart fatty acid binding protein and is a member of Fatty acid binding proteins (FABPs) which are a family of small, highly conserved, cytoplasmic proteins to bind long-chain fatty acids and other hydrophobic ligands. FABP3 is abundant in the myocardium and rapidly released from cardiomyocytes into the circulation after the onset of cell damage. Therefore, this protein has been proposed as an early biochemical marker of acute myocardial infarction and a sensitive marker for the detection and evaluation of myocardial damage in patients with heart failure.

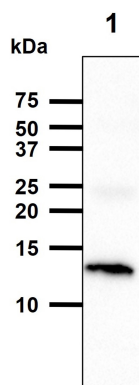
General References

Troxler RF., et al. (2007). Hum Genet. 92(6): 563-6.

Zanotti G., et al.(1992). J Biol Chem. 267(26): 18541-50.

DATA

Western blot analysis (WB)



The tissue lysate (40ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human FABP3 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
Lane 1.: Mouse heart tissue lysate