

Polyclonal Antibody against Mouse Fatty-acid Binding Protein 5

Catalog Number: 12040

Size: 100 µg

Host: Rabbit

Isotype/Preparation:

Rabbit IgG was purified by protein-G column.

Immunogen:

Recombinant full-length mouse FABP5 expressed in E.coli.

Specificity:

The antibody detects mouse FABP5.

Formulation:

Solution in PBS

Storage:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

Application/Usage:

Western blot - This antibody can be used at 0.5 - 2 µg/mL with the appropriate secondary reagents to detect mouse FABP5.



Western blot analysis of FABP5 in 40µg mouse epithelium lysate (Lane 1) and 40µg mouse microphage cell lysate (Lane 2) using anti-mouse FABP5 followed by goat anti-rabbit antibody.

Introduction

The fatty-acid-binding proteins (FABPs) are a family of carrier proteins for fatty acids and other lipophilic substances such as eicosanoids and retinoids. These proteins are thought to facilitate the transfer of fatty acids between extra- and intracellular membranes. The fatty acid binding protein 4 (FABP-4) and fatty acid binding protein 5 (FABP5) are closely related and both are expressed in adipocytes. Mice with targeted disruption of FABP-4 accompany FABP-5 almost completely protect against diet-induced obesity, insulin resistance, dyslipidemia, type 2 diabetes, and fatty liver disease. While mice over expressing FABP5 in adipose have reduced insulin sensitivity.