

## Polyclonal Antibody against Human Fatty-acid Binding Protein 5

**Catalog Number:** 11040

**Size:** 100 µg

**Host:** Rabbit

**Isotype/Preparation:**

Rabbit IgG was purified by protein-G.

**Immunogen:**

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

**Specificity:**

The antibody detects human FABP5.

**Formulation:**

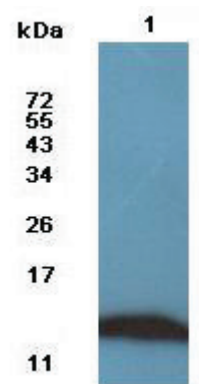
Solution in PBS

**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 human FABP5.



*Western blot analysis of FABP5 in 40 µg human epithelium lysate using anti-human 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.