

## PRODUCT DATA SHEET

### Adipocyte Fatty Acid Binding Protein Human, Rabbit Polyclonal Antibody

**Cat. No.:** RD181037050

**Size:** 0.05 mg

**Source of Antigen:** E. coli

**Type:** Polyclonal Antibody

**Host:** Rabbit

**Other Names:**

Adipocyte-type fatty acid-binding protein, A-FABP, Fatty acid-binding protein 4, Adipocyte lipid-binding protein, ALBP, FABP4

**Preparation:**

The antibody was raised in rabbits by immunization with the recombinant Human FABP4.

**Amino Acid Sequence of Immunogen:**

The immunization antigen (14.7 kDa) is a protein containing 131 AA of recombinant Human FABP4 and one extra AA, N-terminal methionin (highlighted).

MCDAFVGTWK LVSSNFDDY MKEVGVGFAT RKVAGMAKPN MIISVNGDVI TIKSESTFKN  
TEISFILGQE FDEVTADDRK VKSTITLDGG VLVHVQKWDG KSTTIKRE DDKLVVECVM  
KGV TSTRVYE RA

**Purification Method:**

Immunoaffinity chromatography on a column with immobilized recombinant Human FABP4.

**Species Reactivity:**

Human. Not yet tested in other species.

**Antibody Content:**

0.05 mg (determined by BCA method, BSA was used as a standard)

**Formulation:**

The antibody is lyophilized in 0.05 M phosphate buffer, 0.1 M NaCl, pH 7.2. **\*\*AZIDE FREE.\*\***

**Reconstitution:**

Add 0.1 ml of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.

**Shipping:**

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

The lyophilized antibody remains stable and fully active until the expiry date when stored at  $-20^{\circ}\text{C}$ . Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at  $-80^{\circ}\text{C}$ . Reconstituted antibody can be stored at  $4^{\circ}\text{C}$  for a limited period of time; it does not show decline in activity after one week at  $4^{\circ}\text{C}$ .

**Quality Control:**

Indirect ELISA – to determine titer of the antibody

SDS PAGE – to determine purity of the antibody

BCA - to determine quantity of the antibody

**Applications:**

Immunohistochemistry, Western blotting

**Note:**

This product is for research use only.