

Epidermal Fatty Acid Binding Protein Human, Sheep Polyclonal Antibody

Product Data Sheet

Source of Antigen: *E. coli*

Cat. No.:

Host: Sheep

RD184060100

(0.1 mg)

Other names: FABP5, Fatty acid-binding protein epidermal, Epidermal-type fatty acid-binding protein, E-FABP, Fatty acid-binding protein 5, Psoriasis-associated fatty acid-binding protein homolog, PA-FABP

Research topic

Cardiovascular disease, Diabetology - Other Relevant Products, Energy metabolism and body weight regulation, Oncology

Preparation

The antibody was raised in sheep by immunization with the recombinant Human FABP5.

Amino Acid Sequence

The immunization antigen (15.2 kDa) is a protein containing 135 AA of recombinant Human FABP5 and one extra AA, N-terminal methionin (highlighted).

MATVQQLEGR WRLVDSKGF D EYMKELGVGI ALRKMAMAK PDCIITCDGK NLTIKTESTL KTTQFSC TLG EKFEETTADG
RKTQTVCNFT DGALVQHQEW DGKESTITRK LKDGKLVVEC VMNNVTCTRI YEKVE

Species Reactivity

Human

Not yet tested in other species.

Purification Method

Immunoaffinity chromatography on a column with immobilized recombinant Human FABP5.

Antibody Content

0.1 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 0.2 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°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at -80°C. Reconstituted antibody can be stored at 4°C for a limited period of time; it does not show decline in activity after one week at 4°C.

Expiration

See vial label.

Lot Number

See vial label.

Quality Control Test

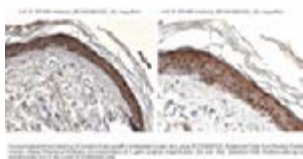
Indirect ELISA - to determine titer of the antibody

SDS PAGE - to determine purity of the antibody

Applications

ELISA, Immunohistochemistry, Western blotting

Antibodies application



Introduction to the Molecule

Human fatty acid binding protein EFABP is a 15 kD member of the intracellular fatty acid binding protein (FABP) family, which is known for the ability to bind fatty acids and related compounds (bile acids or retinoids) in an internal cavity. The fatty acid binding proteins aP2 (fatty acid binding protein [FABP]-4) and mal1 (EFABP) are closely related and both are expressed in adipocytes. Absence of EFABP/mal1 resulted in increased systemic insulin sensitivity in two models of obesity and insulin resistance. Adipocytes isolated from mal1-deficient mice also exhibited enhanced insulin-stimulated glucose transport capacity. In contrast, mice expressing high levels of mal1 in adipose tissue display reduced systemic insulin sensitivity.

References to this Product

- Yeung DC, Wang Y, Xu A, Cheung SC, Wat NM, Fong DY, Fong CH, Chau MT, Sham PC, Lam KS. *Epidermal fatty-acid-binding protein: a new circulating biomarker associated with cardio-metabolic risk factors and carotid atherosclerosis*. Eur Heart J. 2008 Sep;29 (17):2156-63

Note

This product is for research use only.

HEADQUARTERS: BioVendor Laboratorní medicina, a.s.	Karasek 1767/1	621 00 Brno CZECH REPUBLIC	Phone: +420-549-124-185 Fax: +420-549-211-460	E-mail: info@biovendor.com sales@biovendor.com Web: www.biovendor.com
AUSTRIA: BioVendor GesmbH	Gaudenzdorfer Gürtel 43-45	1120 Vienna AUSTRIA	Phone: +43-1-89090-25 Fax: +43-1-89051-63	E-mail: infoAustria@biovendor.com
GERMANY, SWITZERLAND: BioVendor GmbH	Otto-Hahn-Straße 16	34123 Kassel GERMANY	Phone: +49-6221-433-9100 Fax: +49-6221-433-9111	E-mail: infoEU@biovendor.com
USA, CANADA AND MEXICO: BioVendor LLC	128 Bingham Rd. Suite 1300	Asheville, NC 28806 USA	Phone: +1-828-575-9250 +1-800-404-7807 Fax: +1-828-575-9251	E-mail: infoUSA@biovendor.com