

# Recombinant Human FABP4/A-FABP/ALBP(A29T) Protein

[www.abclonal.com](http://www.abclonal.com)Catalog No.: RP00045 **Recombinant**

## Sequence Information

| Species | Gene ID | Swiss Prot |
|---------|---------|------------|
| Human   | 2167    | P15090     |

### Tags

No tag

### Synonyms

A-FABP; AFABP; ALBP; HEL-S-104;  
aP2; FABP4; AFABP; ALBP; HEL-  
S-104; aP2

## Product Information

| Source         | Purification           |
|----------------|------------------------|
| <i>E. coli</i> | > 95% by SDS-<br>PAGE. |

### Endotoxin

< 1.0 EU/μg of the protein by LAL  
method.

### Formulation

Lyophilized from a 0.22 μm filtered  
solution of PBS, pH 7.4. Contact us for  
customized product form or  
formulation.

### Reconstitution

Centrifuge the vial before opening.  
Reconstitute to a concentration of  
0.1-0.5 mg/mL in sterile distilled water.  
Avoid vortex or vigorously pipetting the  
protein. For long term storage, it is  
recommended to add a carrier protein  
or stabilizer (e.g. 0.1% BSA, 5% HSA,  
10% FBS or 5% Trehalose), and aliquot  
the reconstituted protein solution to  
minimize free-thaw cycles.

## Background

Fatty acid-binding protein, adipocyte, also known as Adipocyte-type fatty acid-binding protein. It is a cytoplasm protein which belongs to the calycin superfamily and Fatty-acid binding protein (FABP) family. In familial combined hyperlipidemia (FCHL), FABP4 correlated to body mass index (BMI), waist circumference and homeostasis model assessment (HOMA) index. FABP4 levels were associated with triglyceride-rich lipoproteins. In humans serum FABP4 levels correlate significantly with features of PCOS. It appears to be a determinant of atherogenic dyslipidemia. FABP4 pathway mediates the sebaceous gland hyperplasia in keratinocyte-specific Pten-null mice. FABP4 concentration significantly increased with an increasing of MS features and was strongly correlated with body-mass index, triglycerides, HDL-cholesterol concentrations and blood pressure. FABP4 is a strong plasma marker of metabolic disturbances in HIV-infected patients, and therefore, could serve to guide therapeutic intervention in this group of patients.

## Basic Information

### Description

Recombinant Human FABP4/A-FABP/ALBP(A29T) Protein is produced by *E. coli* expression system. The target protein is expressed with sequence ( Cys2-Ala132 (29Ala/Thr)) of human FABP4 (Ala29Thr) (Accession #NP\_001433.1).

### Bio-Activity

### Storage

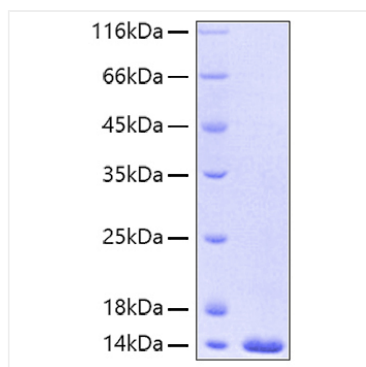
Store the lyophilized protein at -20°C to -80 °C for long term.  
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.  
Avoid repeated freeze/thaw cycles.

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant Human FABP4/A-FABP/ALBP(A29T) Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 15 kDa.