# Human IFABP/FABP2 Antibody Pair Set

**Catalog No.** E-KAB-0034 **Applications** ELISA
**Synonyms** FABPI, I-FABP

## Kit components & Storage

| Title | Specifications | Storage |
|---|---|---|
| Human IFABP/FABP2 Capture Antibody | 1 vial, 100 μg | Store at -20℃ for one year. Avoid freeze / thaw cycles. |
| Human IFABP/FABP2 Detection Antibody (Biotin) | 1 vial, 50 μL | Store at -20℃ for one year. Avoid freeze / thaw cycles. |

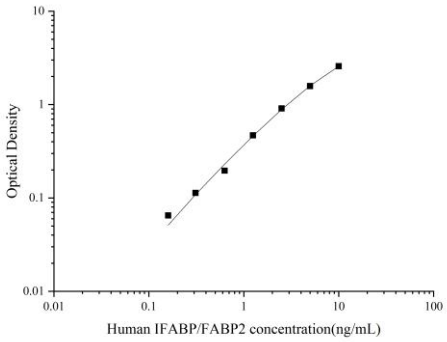
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## Product Information

| Items | | Characteristic (E-KAB-0034) | |
|---|---|---|---|
| | | Human IFABP/FABP2 Capture Antibody | Human IFABP/FABP2 Detection Antibody (Biotin) |
| Immunogen Information | Immunogen | Recombinant Human IFABP/FABP2 protein | Recombinant Human IFABP/FABP2 protein |
| | Swissprot | P12104 | |
| Product details | Reactivity | Human | Human |
| | Host | Mouse | Goat |
| | Conjugation | Unconjugated | Biotin |
| | Concentration | 0.5mg/mL | / |
| | Buffer | PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4 | PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4 |
| | Purify | Protein A or G | Antigen Affinity |
| | Specificity | Detects Human IFABP/FABP2 in ELISAs. | |

## Applications

Human IFABP/FABP2 Sandwich ELISA Assay:

| | Recommended Concentration/Dilution | Reagent | Images |
|---|---|---|---|
| ELISA Capture | 0.5-4μg/mL | Human IFABP/FABP2 Capture Antibody |  |
| ELISA Detection | 1:1000-1:10000 | Human IFABP/FABP2 Detection Antibody (Biotin) | |



**Note:** This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

## Background

The intracellular fatty acid-binding proteins (FABPs) belong to a multigene family with nearly twenty identified members. FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15 kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. They may also be responsible in the modulation of cell growth and proliferation. Intestinal fatty acid-binding protein 2 gene contains four exons and is an abundant cytosolic protein in small intestine epithelial cells. This gene has a polymorphism at codon 54 that identified an alanine-encoding allele and a threonine-encoding allele. Thr-54 protein is associated with increased fat oxidation and insulin resistance.