# FABP4 Antibody

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| **Product Code** | CSB-RA007945A0HU |
| **Abbreviation** | Fatty acid-binding protein, adipocyte |
| **Storage** | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |
| **Uniprot No.** | P15090 |
| **Immunogen** | A synthesized peptide derived from human FABP4 |
| **Species Reactivity** | Human |
| **Tested Applications** | ELISA |
| **Relevance** | Lipid transport protein in adipocytes. Binds both long chain fatty acids and retinoic acid. Delivers long-chain fatty acids and retinoic acid to their cognate receptors in the nucleus. |
| **Form** | Liquid |
| **Conjugate** | Non-conjugated |
| **Storage Buffer** | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| **Purification Method** | Affinity-chromatography |
| **Isotype** | Rabbit IgG |
| **Clonality** | Monoclonal |
| **Alias** | Fatty acid-binding protein, adipocyte, Adipocyte lipid-binding protein, ALBP, Adipocyte-type fatty acid-binding protein, A-FABP, AFABP, Fatty acid-binding protein 4, FABP4 |
| **Immunogen Species** | Homo sapiens (Human) |
| **Research Area** | Cardiovascular |
| **Gene Names** | FABP4 |
| **Accession NO.** | 1H4 |

**Description**

This is a recombinant monoclonal antibody against FABP4. It is matched isotype control by rabbit IgG. The cloning of the human FABP4 DNA gene into the vector and subsequent transfection into the cell line for in vitro expression lead to the production of this FABP4 antibody. This FABP4 antibody can recognize the human FABP4 protein. It has been purified using affinity-chromatography and been tested for use in ELISA application.

FABP4, also known as adipocyte FABP (A-FABP) or aP2, is mainly expressed in adipocytes and macrophages. It plays an important role in the development of insulin resistance and atherosclerosis in relation to metaflammation. Studies have identified that FABP4 is directly associated with cardiac alterations such as left ventricular hypertrophy (LVH) and both systolic and diastolic cardiac dysfunction.