10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Mouse Anti-FABP4 antibody

Purified Mouse Monoclonal Antibody (Mon)
Catalog # AP59464

## Product Information

| | |
|---|---|
| **Application** | WB, IHC-P, IHC-F |
| **Primary Accession** | P15090 |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Calculated MW** | 14719 |
| **Physical State** | Liquid |
| **Immunogen** | Recombinant human FABP4 protein |
| **Purity** | affinity purified by Protein G |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SUBCELLULAR LOCATION** | Cytoplasm. Nucleus. Note=Depending on the nature of the ligand, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus. Subject to constitutive nuclear export. |
| **SIMILARITY** | Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family. |
| **SUBUNIT** | Monomer. Homodimer. Interacts with PPARG. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | FABP4 encodes the fatty acid binding protein found in adipocytes. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism. [provided by RefSeq]. |

## Additional Information

| | |
|---|---|
| **Gene ID** | 2167 |
| **Other Names** | 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 |
| **Dilution** | WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:20-200 |
| **Format** | 0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

| | |
|---|---|
| **Name** | FABP4 |
| **Function** | 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. |
| **Cellular Location** | Cytoplasm {ECO:0000250\|UniProtKB:P04117}. Nucleus {ECO:0000250\|UniProtKB:P04117}. Note=Depending on the nature of the ligand, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus. Subject to constitutive nuclear export. {ECO:0000250\|UniProtKB:P04117} |