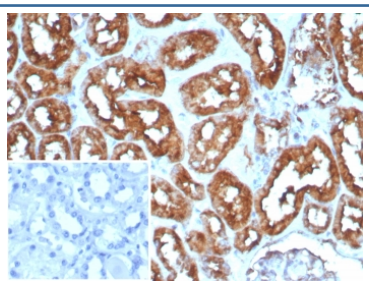
# Cardiac Fatty Acid Binding Protein Antibody / FABP3 [clone FABP3/8535R] (V4874)

| Catalog No. | Formulation | Size |
|---|---|---|
| V4874-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V4874-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V4874SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

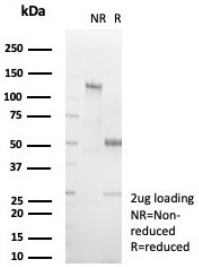
Recombinant RABBIT MONOCLONAL

**Bulk quote request**

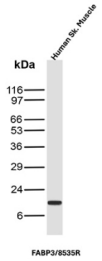
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Rabbit |
| **Clonality** | Recombinant Rabbit Monoclonal |
| **Isotype** | Rabbit IgG, kappa |
| **Clone Name** | FABP3/8535R |
| **Purity** | Protein A/G affinity |
| **UniProt** | P05413 |
| **Localization** | Cytoplasm |
| **Applications** | Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT<br>Western blot: 2-4ug/ml |
| **Limitations** | This Cardiac Fatty Acid Binding Protein antibody is available for research use only. |



Cardiac Fatty Acid Binding Protein Antibody Heart IHC. Immunohistochemistry staining of FFPE human heart tissue with Cardiac Fatty Acid Binding Protein antibody (clone FABP3/8535R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.




SDS-PAGE analysis of purified, BSA-free Cardiac Fatty Acid Binding Protein antibody (clone FABP3/8535R) as confirmation of integrity and purity.




Cardiac Fatty Acid Binding Protein Antibody Skeletal Muscle WB. Western blot analysis of human skeletal muscle tissue lysate using Cardiac fatty acid binding protein antibody clone FABP3/8535R. A distinct band is detected at approximately 15 kDa, consistent with the predicted molecular weight of Fatty acid-binding protein 3 / FABP3. The observed skeletal muscle expression aligns with the established role of FABP3 in intracellular fatty acid transport and oxidative energy metabolism within striated muscle tissue.

## Description

Cardiac Fatty Acid Binding Protein Antibody detects FABP3. The intracellular fatty acid-binding proteins (FABPs) belongs to a multigene family. 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. Fatty acid-binding protein 3 gene contains four exons and its function is to arrest growth of mammary epithelial cells. This gene is a candidate tumor suppressor gene for human breast cancer. Alternative splicing results in multiple transcript variants.

Explore our FABP3 Antibody page for additional western blot, immunohistochemistry, and microarray specificity validation data supporting studies of myocardial lipid transport and oxidative metabolism.

## Application Notes

Optimal dilution of the Cardiac Fatty Acid Binding Protein antibody should be determined by the researcher.

## Immunogen

A recombinant partial protein sequence (within amino acids 1-127) from the human protein was used as the immunogen for the Cardiac Fatty Acid Binding Protein antibody.

## Storage

Aliquot the Cardiac Fatty Acid Binding Protein antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

## Alternate Names

Fatty acid binding protein 3 antibody, FABP3 antibody, H-FABP antibody, Heart type fatty acid binding protein antibody

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