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

# FABP4 Antibody (Y20)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2764d

## Product Information

| | |
|---|---|
| **Application** | WB, E |
| **Primary Accession** | P15090 |
| **Other Accession** | P70623, O97788, P04117, P48035 |
| **Reactivity** | Human, Rat, Mouse |
| **Predicted** | Bovine, Pig, Rat, Canine, Rabbit, Chicken |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB16245 |
| **Calculated MW** | 14719 |
| **Antigen Region** | 1-30 |

## 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 |
| **Target/Specificity** | This FABP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from human FABP4. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | FABP4 Antibody (Y20) is for research use only and not for use in diagnostic or therapeutic procedures. |

## 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}

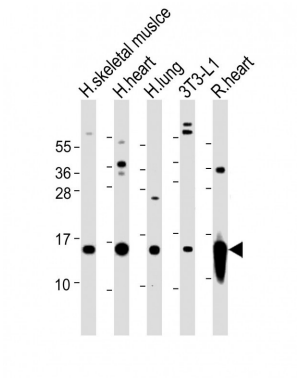
## Background

FABP4 is a 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.

## References

Cabre,A., J. Lipid Res. 49 (8), 1746-1751 (2008)
Fasshauer,M., Am. J. Hypertens. 21 (5), 582-586 (2008)
Cabre,A., Clin. Chem. 54 (1), 181-187 (2008)

## Images




All lanes : Anti-FABP4 Antibody (Y20) at 1:2000 dilution Lane 1: Human skeletal muslce lysate Lane 2: Human heart lysate Lane 3: Human lung lysate Lane 4: 3T3-L1 whole cell lysate Lane 5: Rat heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 15 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

## Citations

- MicroRNA-199a Targets the Fatty Acid Transport Protein 1 Gene and Inhibits the Adipogenic Trans-Differentiation of C2C12 Myoblasts.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.