

## Rabbit FABP4 Polyclonal Antibody | anti-FABP4 antibody

FABP4 Antibody (Y20)

| CATALOG # | HOST   | REACTIVITY                                              | APPLICATIONS |
|-----------|--------|---------------------------------------------------------|--------------|
| AAA288037 | Rabbit | Reactivity: Human, Mouse,RatPredicted: Rat, Pig, Bovine | Western Blot |

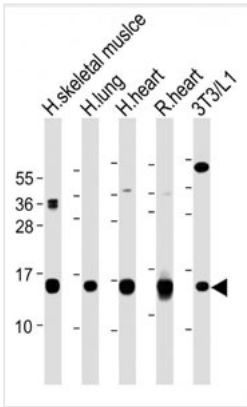
### PRODUCT SYNONYMS

FABP4; Polyclonal Antibody; FABP4 Antibody (Y20); Fatty acid-binding protein; adipocyte; Adipocyte lipid-binding protein; ALBP; Adipocyte-type fatty acid-binding protein; A-FABP; AFABP; Fatty acid-binding protein 4; anti-FABP4 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                    |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                             |
| Reactivity                                      | Reactivity: Human, Mouse,Rat<br>Predicted: Rat, Pig, Bovine                                                                                                                                                                        |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                         |
| Isotype                                         | Rabbit Ig                                                                                                                                                                                                                          |
| Specificity                                     | This FABP4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from human FABP4.                                                                                         |
| Purity/Purification                             | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                                                         |
| Form/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.                                                       |
| Concentration                                   | Vial Concentration: 0.47 (varies by lot)                                                                                                                                                                                           |
| Sequence Positions                              | 1-30                                                                                                                                                                                                                               |
| Sequence Length                                 | 132                                                                                                                                                                                                                                |
| Applicable Applications for anti-FABP4 antibody | WB (Western Blot)                                                                                                                                                                                                                  |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                                                                                  |
| Antigen Source                                  | HUMAN                                                                                                                                                                                                                              |
| 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 (By similarity).                           |
| Cellular 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 (By similarity) |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                                                                             |

IMAGES



**Application Data**  
All lanes : Anti-FABP4 Antibody (Y20) at 1:2000-1:8000 dilution  
Lane 1: Human skeletal muscle lysate  
Lane 2: Human lung lysate  
Lane 3: Human heart lysate  
Lane 4: Rat heart lysate  
Lane 5: 3T3/L1 whole cell lysate  
Lysates/proteins at 20 ug 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.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-FABP4 antibody | 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. |
| Product Categories/Family for anti-FABP4 antibody   | Cancer; Cardiovascular; Metabolism; Signal transduction                                                                                                                                                                                                                                                   |
| References                                          | Cabre,A., J. Lipid Res. 49 (8), 1746-1751 (2008)<br>Fasshauer,M., Am. J. Hypertens. 21 (5), 582-586 (2008)<br>Cabre,A., Clin. Chem. 54 (1), 181-187 (2008)                                                                                                                                                |

NCBI AND UNIPROT INFORMATION

|                                  |                                         |
|----------------------------------|-----------------------------------------|
| NCBI GI #                        | 4557579                                 |
| NCBI GeneID                      | 2167                                    |
| NCBI Accession #                 | NP_001433.1                             |
| NCBI GenBank Nucleotide #        | NM_001442.2                             |
| UniProt Accession #              | P15090; Q6IBA1                          |
| Molecular Weight                 | 14719                                   |
| NCBI Official Full Name          | fatty acid-binding protein, adipocyte   |
| NCBI Official Synonym Full Names | fatty acid binding protein 4, adipocyte |
| NCBI Official Symbol             | FABP4                                   |
| NCBI Official Synonym Symbols    | aP2; ALBP; AFABP; A-FABP; HEL-S-104     |
| NCBI Protein Information         | fatty acid-binding protein, adipocyte   |
| UniProt Protein Name             | Fatty acid-binding protein, adipocyte   |
| UniProt Gene Name                | FABP4                                   |
| UniProt Synonym Gene Names       | ALBP; A-FABP; AFABP                     |
| UniProt Entry Name               | FABP4_HUMAN                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/fabp4-antibody-western-blot-elisa/288037>