

**FABP4 Antibody (Y20)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP2764d**

**Specification**

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**FABP4 Antibody (Y20) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P15090</a>
Other Accession	<a href="#">P70623</a> , <a href="#">O97788</a> , <a href="#">P04117</a> , <a href="#">P48035</a>
Reactivity	Human, Mouse, Rat
Predicted	Bovine, Pig
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	1-30

**FABP4 Antibody (Y20) - 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~~1:2000-1:8000

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.

**FABP4 Antibody (Y20) - 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}.

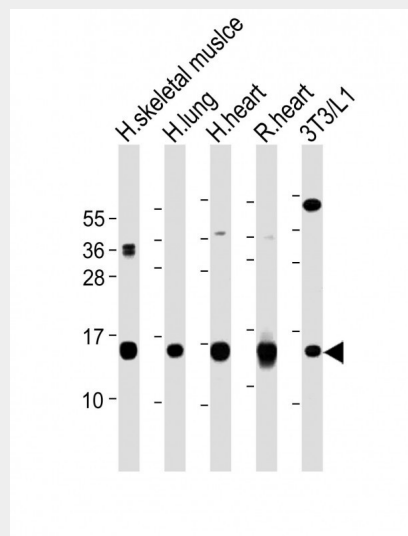
Note=Depending on the nature of the ligand, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus. Subject to constitutive nuclear export. {ECO:0000250|UniProtKB:P04117}

#### FABP4 Antibody (Y20) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### FABP4 Antibody (Y20) - Images



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 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.

#### FABP4 Antibody (Y20) - 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.

**FABP4 Antibody (Y20) - 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)

**FABP4 Antibody (Y20) - Citations**

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