

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

Specification

FABP4 Antibody (Y20) - Product Information

Application	WB,E
Primary Accession	P15090
Other Accession	P70623 , O97788 , P04117 , P48035
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

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}.

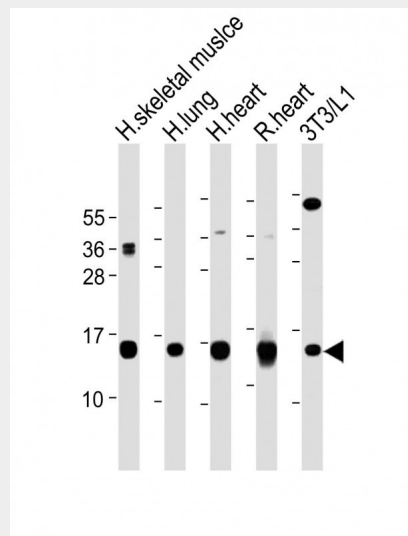
Note=Depending on the nature of the ligand, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus. Subject to constitutive nuclear export. {ECO:0000250|UniProtKB:P04117}

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.](#)