

# Phospho-FABP4(Y20) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP3623a

## **Specification**

# Phospho-FABP4(Y20) Antibody - Product Information

Application DB,E
Primary Accession P15090

Other Accession <u>P70623</u>, <u>097788</u>, <u>P04117</u>, <u>P48035</u>

Reactivity Human

Predicted Bovine, Mouse, Pig, Rat

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 14719

## Phospho-FABP4(Y20) Antibody - 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 phosphopeptide corresponding to amino acid residues surrounding Y20 of human FABP4.

## **Dilution**

DB~~1:500

### **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**

Phospho-FABP4(Y20) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Phospho-FABP4(Y20) Antibody - 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**

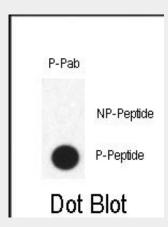
Cytoplasm {ECO:0000250|UniProtKB:P04117}. Nucleus {ECO:0000250|UniProtKB:P04117}. Note=Depending on the nature of the ligand, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus. Subject to constitutive nuclear export. {ECO:0000250|UniProtKB:P04117}

#### Phospho-FABP4(Y20) Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# Phospho-FABP4(Y20) Antibody - Images



Dot blot analysis of anti-Phospho-FABP4-pY20 Antibody (Cat.#AP3623a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.

# Phospho-FABP4(Y20) Antibody - 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.

# Phospho-FABP4(Y20) Antibody - 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)