

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 | P70623 , O97788 , P04117 , P48035 |
| 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}.

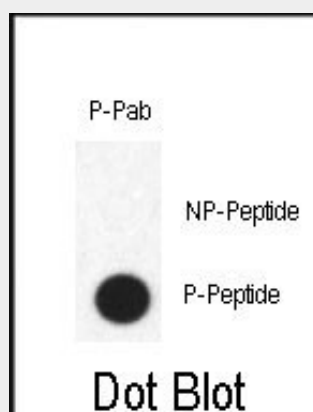
Note=Depending on the nature of the ligand, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus. Subject to constitutive nuclear export. {ECO:0000250|UniProtKB:P04117}

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](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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)