

# Phospho-FABP4(Y20) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP3623a

## Product Information

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<b>Application</b>	DB, E
<b>Primary Accession</b>	<a href="#">P15090</a>
<b>Other Accession</b>	<a href="#">P70623</a> , <a href="#">O97788</a> , <a href="#">P04117</a> , <a href="#">P48035</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Bovine, Mouse, Pig, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB16245
<b>Calculated MW</b>	14719

## Additional Information

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<b>Gene ID</b>	2167
<b>Other Names</b>	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
<b>Target/Specificity</b>	This FABP4 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y20 of human FABP4.
<b>Dilution</b>	DB~~1:500 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	Phospho-FABP4(Y20) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	FABP4
<b>Function</b>	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}

## Background

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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.

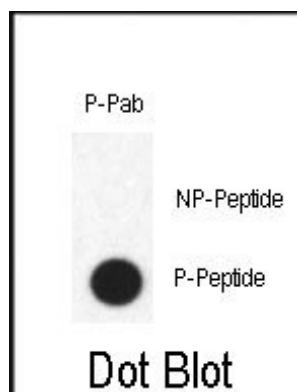
## References

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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)

## Images

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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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.