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Phospho-FABP4(Y20) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP3623a

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
Clone Names	RB16245
Calculated MW	14719

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

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}

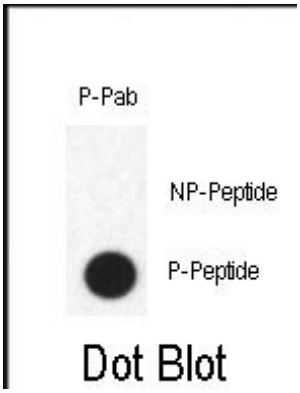
Background

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.

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)

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.

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