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Phospho-FABP4(Y20) Antibody Blocking peptide

Synthetic peptide
Catalog # BP3623a

Specification

Phospho-FABP4(Y20) Antibody Blocking peptide - Product Information

Primary Accession P15090

Phospho-FABP4(Y20) Antibody Blocking peptide - 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
The synthetic peptide sequence used to generate the antibody AP3623a was selected from the region of human Phospho-FABP4-pY20. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Phospho-FABP4(Y20) Antibody Blocking peptide - Protein Information

Phospho-FABP4(Y20) Antibody Blocking peptide - 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 Blocking peptide - 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)

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 Blocking peptide - Protocols

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

- Blocking Peptides