

FABP4 Antibody (Y20) Blocking Peptide
Synthetic peptide
Catalog # BP2764d**Specification**

FABP4 Antibody (Y20) Blocking Peptide - Product InformationPrimary Accession [P15090](#)**FABP4 Antibody (Y20) 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 [AP2764d](/products/AP2764d) was selected from the Y20 region of human FABP4. 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.

FABP4 Antibody (Y20) Blocking Peptide - 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}

FABP4 Antibody (Y20) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

FABP4 Antibody (Y20) Blocking Peptide - Images

FABP4 Antibody (Y20) 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.

FABP4 Antibody (Y20) 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)