

FABP4 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10981**Specification**

FABP4 Antibody - Product Information

Application	WB
Primary Accession	P15090
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	14719

FABP4 Antibody - Additional Information**Gene ID** 2167

Application & Usage	Western Blot analysis (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Recombinant human FABP4 can be used as a positive control.
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Other Names

Fatty acid-binding protein, Adipocyte lipid-binding protein, ALBP, Adipocyte-type fatty acid-binding protein, A-FABP, AFABP, Fatty acid-binding protein 4, FABP4, FABP-4

Target/Specificity

FABP4

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti-human FABP4 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5mM EDTA and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

FABP4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

FABP4 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

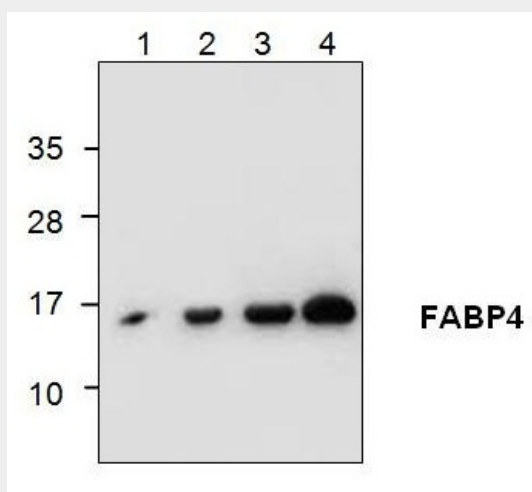
Cytoplasm {ECO:0000250|UniProtKB:P04117}. Nucleus {ECO:0000250|UniProtKB:P04117}.

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}

FABP4 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](#)

FABP4 Antibody - Images

Western blot analysis using recombinant human FABP4. Lane 1: 50 ng; Lane 2: 100 ng; Lane 3: 200 ng; Lane 4: 500 ng

FABP4 Antibody - Background

Fatty Acid-binding Proteins (FABP) are a family of homologous 14-15 kDa cytoplasmic proteins that are expressed in highly tissue-specific manner and play an integral role in the balance between lipid and carbohydrate metabolism. FABPs have been reported to be involved in the uptake and metabolism of fatty acids, maintenance of cellular membrane fatty acids levels, intracellular trafficking, modulation of specific enzymes of lipid metabolic pathways, as well as in the modulation of cell growth and differentiation.