

Mouse anti-Human Fatty Acid Binding Protein 4 (FABP4) Monoclonal Antibody | anti-FABP4 antibody

Fatty Acid Binding Protein 4 (FABP4) Mouse Monoclonal Antibody [Clone FABP4/4424]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215633	Mouse	Human	Immunohistochemistry

PRODUCT SYNONYMS

Fatty Acid Binding Protein 4 (FABP4); Monoclonal Antibody; Fatty Acid Binding Protein 4 (FABP4) Mouse Monoclonal Antibody [Clone FABP4/4424]; 3T3-L1 lipid-binding protein; 422/aP2; A-FABP; Adipocyte lipid binding protein; Adipocyte protein AP2; Adipocyte-type fatty acid-binding protein; AFABP; ALBP/ap2; aP2; Epididymis secretory protein Li 104; Fatty acid binding protein 4 adipocyte; HEL S 104; Lbpl; Myelin P2 protein homolog; P15; P2 adipocyte protein; Protein 422; anti-FABP4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG1, kappa
Clone Number	FABP4/4424
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-FABP4 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant fragment (around aa1-132) of human FABP4 protein (exact sequence is proprietary)
Cellular Localization	Cytoplasm, Nucleus
Positive Control	Human adipose tissue.
Hu-chromosome Location	8q21.13
Unigene	391561
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human placenta stained with FABP4 Mouse Monoclonal Antibody (FABP4/4424) at 2ug/ml. Inset: PBS instead of primary antibody, secondary only negative control.

ADDITIONAL INFORMATION

Related Product Information for anti-FABP4 antibody	Fatty acid-binding proteins, designated FABPs, are a family of homologous, cytoplasmic proteins that are expressed in a highly tissue-specific manner and play an integral role in the balance between lipid and carbohydrate metabolism. FABPs mediate fatty acid (FA) and/or hydrophobic ligand uptake, transport and targeting within their respective tissues. The mechanisms underlying these actions can give rise to both passive diffusional uptake and protein-mediated transmembrane transport of FAs. FABPs are expressed in adipocytes (A-FABP), brain (B-FABP), epidermis (E-FABP, also designated psoriasis-associated FABP or PA-FABP), muscle and heart (H-FABP, also designated mammary-derived growth inhibitor or MDGI), intestine (I-FABP), liver (L-FABP), myelin (M-FABP) and testis (T-FABP). The human A-FABP gene is organized into 4 exons, maps to chromosome 8q21. 13, and encodes a 132 amino acid protein. A-FABP protein comprises approximately 1% of the total cytosolic protein in human adipose tissue.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119781
NCBI GeneID	2167
UniProt Accession #	P15090; Q6IBA1
Molecular Weight	132
NCBI Official Full Name	Fatty acid-binding protein, adipocyte
NCBI Official Synonym Full Names	fatty acid binding protein 4, adipocyte
NCBI Official Symbol	FABP4
NCBI Official Synonym Symbols	aP2; ALBP; AFABP; A-FABP; HEL-S-104
NCBI Protein Information	fatty acid-binding protein, adipocyte; fatty acid-binding protein 4; adipocyte lipid-binding protein; epididymis secretory protein Li 104; adipocyte-type fatty acid-binding protein
UniProt Protein Name	Fatty acid-binding protein, adipocyte
UniProt Gene Name	FABP4
UniProt Synonym Gene Names	ALBP; A-FABP; AFABP
UniProt Entry Name	FABP4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/fatty-acid-binding-protein-4-fabp4-antibody-clone-fabp4-4424-immunohistochemistry-elisa/215633>