

Rabbit anti-Human FABP4 Monoclonal Antibody | anti-FABP4 antibody

Recombinant Anti-FABP4 Antibody, Rabbit Monoclonal

CATALOG # AAA255519	HOST Rabbit	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, Immunohistochemistry
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PRODUCT SYNONYMS

FABP4; Monoclonal Antibody; Recombinant Anti-FABP4 Antibody; Rabbit Monoclonal; FABP4/ALBP/A-FABP Antibody; Rabbit MAb; fatty acid binding protein 4; adipocyte; Anti-A-FABP Antibody; Anti-AFABP Antibody; Anti-ALBP Antibody; Anti-aP2 Antibody; Anti-HEL-S-104 Antibody; anti-FABP4 antibody

PRODUCT SPECIFICATIONS

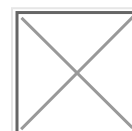
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	001
Specificity	Human FABP4/ALBP/A-FABP. No cross-reactivity in ELISA with Human FABP6 Has cross-reactivity in ELISA with Mouse FABP3
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-FABP4 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human FABP4/ALBP/A-FABP protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human FABP4/ALBP/A-FABP (rh FABP4/ALBP/A-FABP).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Human FABP4 expression on Hela cells. The cells were treated according to manufacturer's manual (BD Pharmingen), stained with purified anti-Human FABP4, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



IHC (Immunohistochemistry)

Immunochemical staining of human FABP4 in human appendix with rabbit monoclonal antibody (1:2000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human FABP4 in human lung cancer with rabbit monoclonal antibody (1:2000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-FABP4 antibody	Fatty acid-binding protein, adipocyte, also known as Adipocyte-type fatty acid-binding protein, Fatty acid-binding protein 4, Adipocyte lipid-binding protein, and FABP4, is a cytoplasm protein which belongs to the calycin superfamily and Fatty-acid binding protein (FABP) family. In familial combined hyperlipidemia (FCHL), FABP4 correlated to body mass index (BMI), waist circumference and homeostasis model assessment (HOMA) index. FABP4 levels were associated with triglyceride-rich lipoproteins. In humans serum FABP4 levels correlate significantly with features of PCOS. It appears to be a determinant of atherogenic dyslipidemia. FABP4 pathway mediates the sebaceous gland hyperplasia in keratinocyte-specific Pten-null mice. FABP4 concentration significantly increased with an increasing of MS features and was strongly correlated with body-mass index, triglycerides, HDL-cholesterol concentrations and blood pressure. Patients in the highest quartile of FABP4 presented a six-fold increased odds ratio for MS and a three-fold increased odds for LD, adjusted by age, sex, body-mass index and the antiretroviral therapy. FABP4 is a strong plasma marker of metabolic disturbances in HIV-infected patients, and therefore, could serve to guide therapeutic intervention in this group of patients.
Product Categories/Family for anti-FABP4 antibody	Early Mesodermal Lineage Markers
References	van Dongen, M.J. et al., 2002, J Am Chem Soc. 124 (40): 11874-80. Coll, B. et al., 2008, Atherosclerosis 199 (1):147-53. Hoashi, S. et al., 2008, BMC Genet. 9 :84. Cai, H. et al., 2010, Bioorg Med Chem Lett 20 (12):3675-9.

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.