

FABP4 Polyclonal Antibody | anti-FABP4 antibody

Anti-FABP4 Antibody

CATALOG # AAA46488	REACTIVITY Mouse, Rat Predicted to work with: Human	APPLICATIONS Immunohistochemistry, Western Blot
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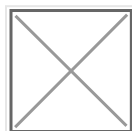
PRODUCT SYNONYMS

FABP4; Polyclonal Antibody; Anti-FABP4 Antibody; Fatty acid-binding protein; 3T3-L1 lipid-binding protein; 422/aP2; A FABP; A-FABP; adipocyte; Adipocyte lipid binding protein; Adipocyte lipid-binding protein; Adipocyte protein AP2; Adipocyte-type fatty acid-binding protein; AFABP; ALBP; ALBP/Ap2; aP2; FABP; FABP4_HUMAN; Fatty acid binding protein 4 adipocyte; Fatty acid binding protein 4; Fatty acid binding protein adipocyte; Fatty acid-binding protein 4; Lbpl; Myelin P2 protein homolog; P15; P2 adipocyte protein; Protein 422 antibody; fatty acid binding protein 4; anti-FABP4 antibody

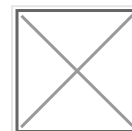
PRODUCT SPECIFICATIONS

Reactivity	Mouse, Rat Predicted to work with: Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	132
Applicable Applications for anti-FABP4 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human FABP4 (10-40aa KLVSSNFDDYMKEVGVGFATRKVAGMAKPN), identical to the related mouse and rat sequences.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

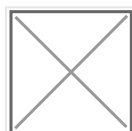
IMAGES


IHC (Immunohistochemistry)

Anti- FABP4 antibody, IHC(P)IHC(P): Rat Intestine Tissue


IHC (Immunohistochemistry)

Anti- FABP4 antibody, IHC(P)IHC(P): Mouse Intestine Tissue


WB (Western Blot)

Anti- FABP4 antibody, Western blottingAll lanes: Anti FABP4 at 0.5ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-FABP4 antibody	Description: Rabbit IgG polyclonal antibody for Fatty acid-binding protein, adipocyte(FABP4) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Fatty acid binding proteins (FABPs) are small cytoplasmic proteins that are expressed in a highly tissue-specific manner and bind to fatty acids such as oleic and retinoic acid. Adipocyte fatty-acid-binding protein, aP2 (FABP4) is expressed in adipocytes and macrophages, and integrates inflammatory and metabolic responses. Studies in aP2-deficient mice have shown that this lipid chaperone has a significant role in several aspects of metabolic syndrome, including type 2 diabetes and atherosclerosis. It regulates allergic airway inflammation and may provide a link between fatty acid metabolism and asthma.
References	1. Hotamisligil, G. S.; Johnson, R. S.; Distel, R. J.; Ellis, R.; Papaioannou, V. E.; Spiegelman, B. M. : Uncoupling of obesity from insulin resistance through a targeted mutation in aP2, the adipocyte fatty acid binding protein. Science 274: 1377-1379, 1996. 2. Furuhashi, M.; Tuncman, G.; Gorgun, C. Z.; Makowski, L.; Atsumi, G.; Vaillancourt, E.; Kono, K.; Babaev, V. R.; Fazio, S.; Linton, M. F.; Sulsky, R.; Robl, J. A.; Parker, R. A.; Hotamisligil, G. S. : Treatment of diabetes and atherosclerosis by inhibiting fatty-acid-binding protein aP2. Nature 447: 959-965, 2007. 3. Shum, B. O. V.; Mackay, C. R.; Gorgun, C. Z.; Frost, M. J.; Kumar, R. K.; Hotamisligil, G. S.; Rolph, M. S. : The adipocyte fatty acid-binding protein aP2 is required in allergic airway inflammation. J. Clin. Invest. 116: 2183-2192, 2006.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557579
NCBI GeneID	2167
NCBI Accession #	NP_001433.1
NCBI GenBank Nucleotide #	NM_001442.2
UniProt Accession #	P15090; Q6IBA1
Molecular Weight	14,719 Da
NCBI Official Full Name	fatty acid-binding protein, adipocyte
NCBI Official Synonym Full Names	fatty acid binding protein 4
NCBI Official Symbol	FABP4
NCBI Official Synonym Symbols	aP2; ALBP; AFABP; A-FABP; HEL-S-104
NCBI Protein Information	fatty acid-binding protein, adipocyte
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/polyclonal/fabp4-antibody-immunohistochemistry-western-blot-elisa/46488>