

Rabbit FABP2 Polyclonal Antibody | anti-FABP2 antibody

Anti-FABP2 Antibody, Rabbit Polyclonal

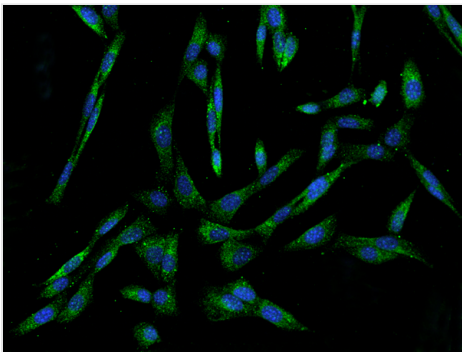
CATALOG # AAA255047	HOST Rabbit	REACTIVITY Mouse Predicted to React with: Rat, Bovine (Species predicted to react based on 100% sequence homology)	APPLICATIONS Immunofluorescence, Immunocytochemistry, Western Blot
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PRODUCT SYNONYMS

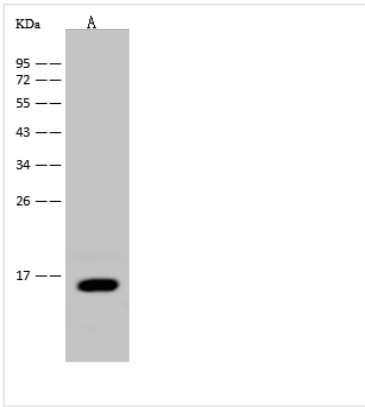
FABP2; Polyclonal Antibody; Anti-FABP2 Antibody; Rabbit Polyclonal; FABP2 Antibody; Rabbit PAb; Antigen Affinity Purified; fatty acid binding protein 2; Anti-Fabpi Antibody; Anti-I-FABP Antibody; anti-FABP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse Predicted to React with: Rat, Bovine (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse FABP2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-FABP2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Mouse FABP2
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Mouse FABP2, and purified by antigen affinity chromatography.
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. Avoid repeated freeze-thaw cycles.



IF (Immunofluorescence)
Immunofluorescence staining of FABP2 in NIH/3T3 cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human FABP2 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



WB (Western Blot)
Anti-FABP2 rabbit polyclonal antibody at 1:500 dilution Lane A: Mouse small intestine tissue lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 15 kDa Observed band size: 15 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-FABP2 antibody	Fatty acid binding protein (FABP) is one of the intracellular proteins, with a low molecular weight of approximately 15 kDa, that plays important roles in the transportation and metabolism of long-chain fatty acids. FABP family proteins could be used as tissue specific injury marker based on the following characteristics of FABP. The intestinal fatty acid binding protein (I-FABP), or fatty acid-binding protein 2 (FABP2), an intracellular protein expressed only in the intestine, involved in the absorption and intracellular transport of dietary long chain fatty acids. The FABP2 gene is proposed as a candidate gene for diabetes because the protein it codes is involved in fatty acid (FA) absorption and metabolism. Numerous studies have assessed FABP2 gene variants. A transition of G to A at codon 54 of FABP2 results in an amino acid substitution (Ala54 to Thr54), which is common in diverse populations and results in increased FA absorption in vivo. Some evidence indicates that this variant may be associated with type 2 diabetes. This polymorphism was associated with some cardiovascular risk factors. The cytosolic human intestinal fatty acid binding protein (hFABP2) is proposed to be involved in intestinal absorption of long-chain fatty acids. FABP2 may also help maintain energy homeostasis by functioning as a lipid sensor.
References	de Luis DA, et al. (2007) Influence of ALA54THR polymorphism of fatty acid-binding protein 2 on obesity and cardiovascular risk factors. Horm Metab Res. 39(11): 830-4. Klapper M, et al.. (2007) The human intestinal fatty acid binding protein (hFABP2) gene is regulated by HNF-4alpha. Biochem Biophys Res Commun. 356(1): 147-52.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6679737
NCBI GeneID	14079
NCBI Accession #	NP_032006.1
NCBI GenBank Nucleotide #	NM_007980.3
UniProt Accession #	P55050
Molecular Weight	15,126 Da
NCBI Official Full Name	fatty acid-binding protein, intestinal
NCBI Official Synonym Full Names	fatty acid binding protein 2, intestinal
NCBI Official Symbol	Fabp2
NCBI Official Synonym Symbols	Fabpi; I-FABP
NCBI Protein Information	fatty acid-binding protein, intestinal
UniProt Protein Name	Fatty acid-binding protein, intestinal

UniProt Gene Name	Fabp2
UniProt Synonym Gene Names	Fabpi; I-FABP

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://www.aaabiotech.com/polyclonal/fabp2-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/255047>