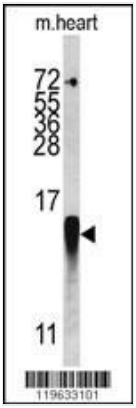
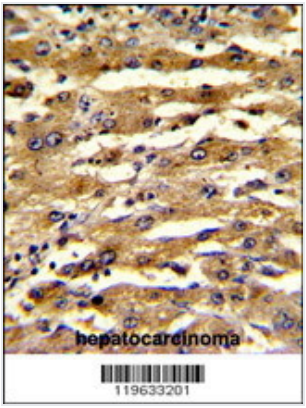
FABP3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

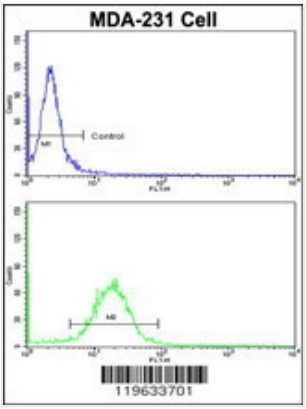
Product Name	FABP3, Polyclonal Antibody
Full Product Name	FABP3, NT (Fatty Acid-binding Protein, Heart, Heart-type Fatty Acid-binding Protein, H-FABP, Fatty Acid-binding Protein 3, Muscle Fatty Acid-binding Protein, M-FABP, Mammary-derived Growth Inhibitor, MDGI, FABP11) (FITC)
Product Gene Name	anti-FABP3 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human FABP3. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer.
Molecular Weight	19.1 kDa (170aa), confirmed by MALDI-TOF.
OMIM	134651
3D Structure	ModBase 3D Structure for P05413
Immunogen	Synthetic peptide selected from the C-terminal region of human FABP3 (KLH).
Conjugate	FITC
Note	Preservative Free
Product Categories/Family for anti-FABP3 antibody	Antibodies; Fatty Acid Binding Protein
Applications Tested/Suitable for anti-FABP3 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-FABP3 antibody	WB: 1:50-1:100 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-FABP3 antibody	MBS6475656 is an antibody targeting FABP3. Also known as FABP3, NT (Fatty Acid-binding Protein, Heart, Heart-type Fatty Acid-binding Protein, H-FABP, Fatty Acid-binding Protein 3, Muscle Fatty Acid-binding Protein, M-FABP, Mammary-derived Growth Inhibitor, MDGI, FABP11) (FITC). Reactive in Human, Mouse. Host: Rabbit.
Product References and Citations for anti-FABP3 antibody	1. Iwayama, Y., Am. J. Med. Genet. B Neuropsychiatr. Genet. (2009). 2. Lazary, A., Eur. J. Endocrinol. 159(2), 187-196 (2008).
Other Notes	Small volumes of anti-FABP3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



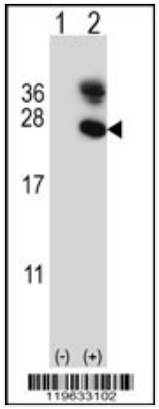
Western Blot (WB) of anti-FABP3 antibody
Western blot analysis of FABP3 antibody (N-term) in mouse heart tissue lysates (35ug/lane). FABP3 (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-FABP3 antibody
Formalin-fixed and paraffin-embedded human hepatocarcinoma with FABP3 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow Cytometry (FC/FACS) of anti-FABP3 antibody
Flow cytometric analysis of MDA-231 cells using FABP3 Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blot (WB) of anti-FABP3 antibody
Western blot analysis of FABP3 (arrow) using rabbit polyclonal FABP3 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the FABP3 gene.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FABP3. It may not necessarily be applicable to this product.

NCBI GI #	4758328
NCBI GeneID	2170
NCBI Accession #	NP_004093
UniProt Primary Accession #	P05413
UniProt Secondary Accession #	Q5VV93; Q99957; B2RAB6
UniProt Related Accession #	P05413
GenBank Nucleotide #	NM_004102.4
NCBI Official Full Name	fatty acid-binding protein, heart isoform 2
NCBI Official Synonym Full Names	fatty acid binding protein 3
NCBI Official Symbol	FABP3
NCBI Official Synonym Symbols	MDGI; FABP11; H-FABP; M-FABP; O-FABP
UniProt Protein Name	Fatty acid-binding protein, heart

UniProt Synonym Protein Names	Fatty acid-binding protein 3; Heart-type fatty acid-binding protein; H-FABP; Mammary-derived growth inhibitor; MDGI; Muscle fatty acid-binding protein; M-FABP
Protein Family	Fatty acid-binding protein
UniProt Gene Name	FABP3
UniProt Synonym Gene Names	FABP11; MDGI; H-FABP; MDGI; M-FABP
UniProt Entry Name	FABPH_HUMAN
NCBI Protein Information	fatty acid-binding protein, heart
NCBI Summary for FABP3	The intracellular fatty acid-binding proteins (FABPs) belongs to a multigene family. FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15 kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. They may also be responsible in the modulation of cell growth and proliferation. Fatty acid-binding protein 3 gene contains four exons and its function is to arrest growth of mammary epithelial cells. This gene is a candidate tumor suppressor gene for human breast cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]
UniProt Comments for FABP3	FABP3: FABP are thought to play a role in the intracellular transport of long-chain fatty acids and their acyl-CoA esters. Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family. Protein type: Lipid-binding Chromosomal Location of Human Ortholog: 1p33-p32 Cellular Component: extracellular space; sarcoplasm; cytosol Molecular Function: protein binding; icosatetraenoic acid binding; cytoskeletal protein binding; long-chain fatty acid transporter activity Biological Process: response to drug; negative regulation of cell proliferation; cholesterol homeostasis; regulation of fatty acid oxidation; fatty acid metabolic process; response to insulin stimulus; phospholipid homeostasis
Research Articles on FABP3	**1.** our research demonstrated that high FABP3 or FABP4 expression had strong prognostic value for overall survival in non-small cell lung cancer
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