Datasheet for ABIN3042627

anti-FABP3 antibody (C-Term)

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6 Images

Overview

Quantity:	100 µg
Target:	FABP3
Binding Specificity:	AA 119-133, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FABP3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Fatty acid-binding protein, heart(FABP3) detection. Tested with WB, IHC-P, IHC-F in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human FABP3 (119-133aa THGTAVCTRTYEKEA), different from the related mouse and rat sequences by three amino acids.
Sequence:	THGTAVCTRT YEKEA
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Fatty acid-binding protein, heart(FABP3) detection. Tested with WB, IHC-P, IHC-F in Human,Mouse,Rat.

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Product Details

	Gene Name: fatty acid binding protein 3, muscle and heart(mammary-derived growth inhibitor) Protein Name: Fatty acid-binding protein, heart
Purification:	Immunogen affinity purified.

Target Details

Target:	FABP3
Alternative Name:	FABP3 (FABP3 Products)
Background:	Heart-type fatty acid binding protein(hFABP) also known as mammary-derived growth inhibitor is a protein that in humans is encoded by the FABP3 gene. The intracellular fatty acid-binding proteins(FABPs) belongs to a multigene family. Fatty acid-binding protein 3 gene contains four exons and its function is to arrest growth of mammary epithelial cells. This gene is also a candidate tumor suppressor gene for human breast cancer. Cardiac-type fatty acid-binding protein(cFABP) from human heart muscle of three individuals was isolated and characterized as pI 5.3-cFABP. Synonyms: 422 protein antibody|Cardiac Fatty Acid Binding Protein antibody|FABP 11 antibody|FABP 3 antibody|FABP11 antibody|FABP3 antibody|FABPH_HUMAN antibody|Fatty acid binding protein 11 antibody|Fatty acid binding protein 3 antibody|Fatty acid binding protein 3 muscle and heart antibody|Fatty acid binding protein 3 muscle and heart mammary derived growth inhibitor antibody|Fatty acid binding protein 3 muscle antibody|Fatty acid binding protein 3, muscle and heart(mammary derived growth inhibitor) antibody|Fatty acid binding protein 3, muscle antibody|Fatty acid binding protein heart antibody|Fatty acid binding protein, heart antibody|Fatty acid binding protein, muscle and heart antibody|Fatty acid binding protein, skeletal muscle antibody|Fatty acid-binding protein 3 antibody|Fatty acid-binding protein antibody|H FABP antibody|H-FABP antibody|heart antibody|Heart type fatty acid binding protein antibody|Heart-type fatty acid-binding protein antibody|M FABP antibody|M-FABP antibody|Mammary derived growth inhibitor antibody|Mammary-derived growth inhibitor antibody|MDGI antibody|Muscle fatty acid binding protein antibody|Muscle fatty acid-binding protein antibody|Mylein protein P2 homolog antibody|O FABP antibody|OTTHUMP00000003898 antibody|P2 adopocyte protein antibody
UniProt:	P05413
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. IHC-F: Concentration: 0.5-1 µg/mL, Tested Species: Human Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and IHC(F).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

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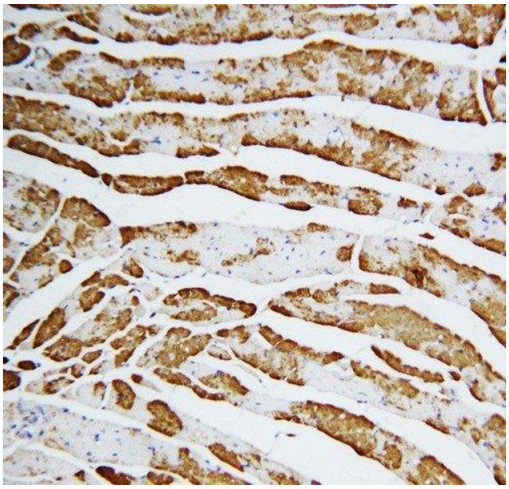
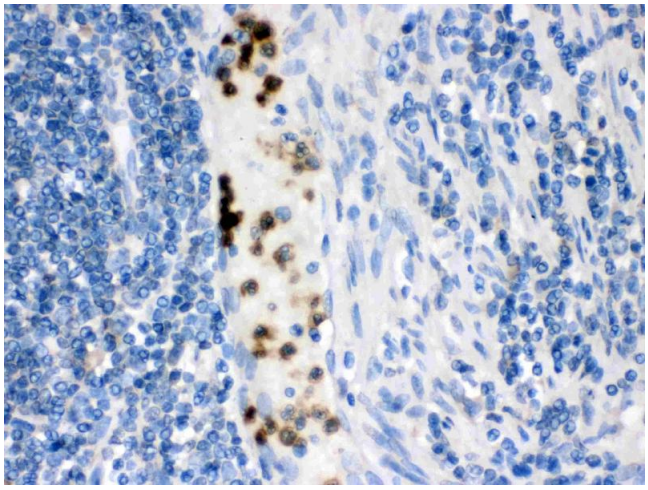
Western Blotting

Image 1. Anti-Cardiac FABP antibody, Western blotting All lanes: Anti Cardiac FABP at 0.5ug/ml WB: HELA Whole Cell Lysate at 40ug Predicted bind size: 15KD Observed bind size: 15KD



Immunohistochemistry

Image 2. Anti-Cardiac FABP antibody, IHC(P) IHC(P): Rat Cardiac Muscle Tissue



Immunohistochemistry

Image 3. Cardiac FABP was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- Cardiac FABP Antigen Affinity purified polyclonal antibody (Catalog #) at 1 ??g/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).

Please check the product details page for more images. Overall 6 images are available for ABIN3042627.