

Datasheet for ABIN3043827

anti-FABP4 antibody (N-Term)



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3 Images

Overview

Quantity:	100 µg
Target:	FABP4
Binding Specificity:	AA 10-40, N-Term
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FABP4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Fatty acid-binding protein, adipocyte(FABP4) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human FABP4 (10-40aa KLVSSSENFDDYMKEVGVGFATRKVAGMAKPN), identical to the related mouse and rat sequences.
Sequence:	KLVSSSENFDD YMKEVGVGFATRKVAGMAKPN
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: human No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.

Product Details

Characteristics:	Rabbit IgG polyclonal antibody for Fatty acid-binding protein, adipocyte(FABP4) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: fatty acid binding protein 4, adipocyte Protein Name: Fatty acid-binding protein, adipocyte
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Purification:	Immunogen affinity purified.
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Target Details

Target:	FABP4
Alternative Name:	FABP4 (FABP4 Products)
Background:	<p>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.</p>

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

Gene ID:	2167
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UniProt:	P15090
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Pathways:	Brown Fat Cell Differentiation
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Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Mouse, Rat, Predicted Species: Human IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Mouse, Rat, Predicted Species: Human,
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Application Details

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.

Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. 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).

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 Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

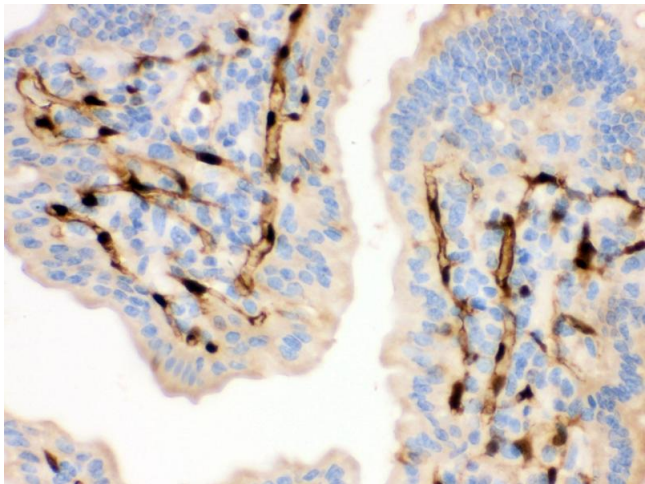
Storage: 4 °C/-20 °C

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.



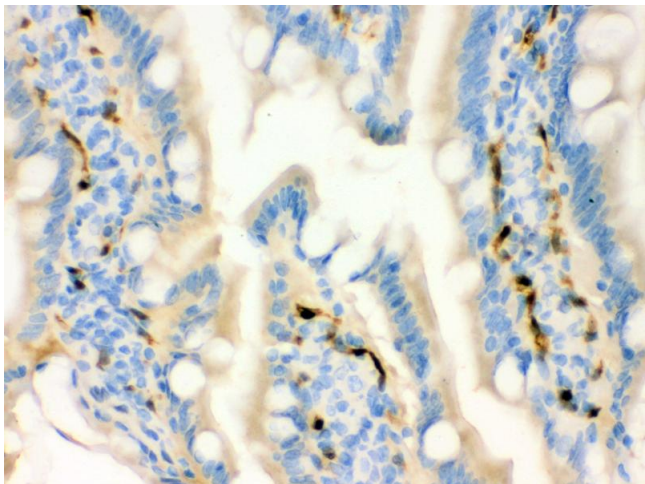
Western Blotting

Image 1.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3.