Datasheet for ABIN3044084

# anti-FABP5 antibody (N-Term)

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## 4 Images

## Overview

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|---|---|
| Quantity: | 100 µg |
| Target: | FABP5 |
| Binding Specificity: | AA 10-23, N-Term |
| Reactivity: | Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

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|---|---|
| Purpose: | Rabbit IgG polyclonal antibody for Fatty acid-binding protein, epidermal(FABP5) detection. Tested with WB, IHC-P in Mouse,Rat. |
| Immunogen: | A synthetic peptide corresponding to a sequence at the N-terminus of mouse Fatty Acid Binding Protein 5(10-23aa KWRLMESHGFEEYM), different from the related rat sequence by two amino acids. |
| Sequence: | KWRLMESHGF EEYM |
| Isotype: | IgG |
| Cross-Reactivity (Details): | Predicted Cross Reactivity: mouse<br>No cross reactivity with other proteins.<br>Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities. |
| Characteristics: | Rabbit IgG polyclonal antibody for Fatty acid-binding protein, epidermal(FABP5) detection. |

## Product Details

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|---|---|
| | Tested with WB, IHC-P in Mouse,Rat.<br>Gene Name: fatty acid binding protein 5(psoriasis-associated)<br>Protein Name: Fatty acid-binding protein, epidermal |
| Purification: | Immunogen affinity purified. |

## Target Details

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|---|---|
| Target: | FABP5 |
| Alternative Name: | FABP5 (FABP5 Products) |
| Background: | FABP5(fatty acid binding protein 5(psoriasis-associated)) is a protein that in humans is encoded by the FABP5 gene, also known as PAFABP, EFABP, E-FABP, KFABP, PA-FABP, Epidermal-type fatty acid-binding protein, Fatty acid-binding protein 5, Psoriasis-associated fatty acid-binding protein homolog. It is a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. The PAFABP cDNA encodes a 135-amino acid protein with molecular weight 15,164. This gene encodes the fatty acid binding protein found in epidermal cells, and was first identified as being upregulated in psoriasis tissue. It is though that FABPs roles include fatty acid uptake, transport, and metabolism. Kaczocha et al.(2009) identified FABP5 and FABP7 as cytosolic proteins that transport AEA from the plasma membrane to subcellular fatty acid amide hydrolase, where it is hydrolyzed and inactivated. FABP3 did not show this specific transport function.<br><br>Synonyms: CFABP antibody\|Cutaneous fatty acid binding protein antibody\|DA11 antibody\|Differentiation associated lipid binding protein LP2 antibody\|E-FABP antibody\|EFABP antibody\|Epidermal-type fatty acid-binding protein antibody\|FABP5 antibody\|FABP5_HUMAN antibody\|fatty acid binding protein 5(psoriasis-associated) antibody\|Fatty acid binding protein epidermal antibody\|Fatty acid-binding protein 5 antibody\|Fatty acid-binding protein, epidermal antibody\|Keratinocyte lipid binding protein antibody\|KFABP antibody\|Klbp antibody\|mal1 antibody\|PA-FABP antibody\|PAFABP antibody\|Psoriasis associated fatty acid binding protein homolog antibody\|Psoriasis-associated fatty acid-binding protein homolog antibody |
| UniProt: | Q05816 |

## Application Details

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|---|---|
| Application Notes: | WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Mouse, Rat<br>IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Rat, Predicted Species: Mouse, Epitope |

## Application Details

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| | 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.<br>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

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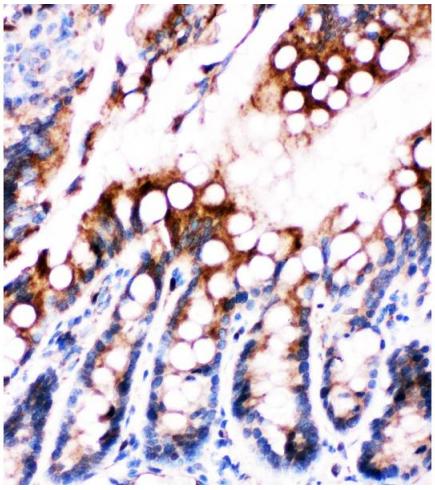
| Format: | Lyophilized |
| Reconstitution: | Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide. |
| Preservative: | Thimerosal (Merthiolate), 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.<br>It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing. |
| Expiry Date: | 12 months |


**Western Blotting**

**Image 1.** Anti-Fatty Acid Binding Protein 5 antibody, Western blottingAll lanes: Anti Fatty Acid Binding Protein 5 at 0.5ug/ml Lane 1: Rat Liver Tissue Lysate at 50ug Lane 2: Rat Kidney Tissue Lysate at 50ug Predicted bind size: 15KD Observed bind size: 15KD


**Western Blotting**

**Image 2.**



**Immunohistochemistry**

**Image 3.** Anti-Fatty Acid Binding Protein 5 antibody, IHC(P) IHC(P): Rat Intestine Tissue

Please check the product details page for more images. Overall 4 images are available for ABIN3044084.