

Product datasheet for **AP23399PU-N**

FABP4 (C-term) Rabbit Polyclonal Antibody

Product data:

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| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | Western blot 1 µg/ml (human). Immunohistochemistry on paraffin sections 1-2 µg/ml. |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | A synthetic peptide corresponding to a sequence at the C-terminal of human FABP4 |
| Specificity: | This antibody detects FABP4 (C-term). No cross reactivity with other proteins. |
| Formulation: | 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ State: Aff - Purified State: Lyophilized Ig fraction |
| Reconstitution Method: | 0.2ml of distilled water will yield a concentration of 500µg/ml. |
| Purification: | Immunogen affinity purified |
| Conjugation: | Unconjugated |
| Storage: | Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | fatty acid binding protein 4 |
| Database Link: | Entrez Gene 11770 Mouse Entrez Gene 79451 Rat Entrez Gene 2167 Human P15090 |



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| Background: | 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. |
| Synonyms: | A-FABP, Adipocyte lipid-binding protein, Fatty acid-binding protein 4 |
| Protein Families: | Druggable Genome |
| Protein Pathways: | PPAR signaling pathway |