

## **Product Informatiion Sheet**

## Polyclonal Anti-Fatty Acid-binding Protein 4 , FABP4 (Magnetic Bead Conjugate)

Catalogue No. PA1209-M	Immunogen
Lot No. 09B01	A synthetic peptide corresponding to a sequence at the C-terminal of human FABP4, different to the related rat sequence by two amino acids.
<b>Ig type:</b> rabbit IgG1 <b>Size:</b> 100μg/Vial	Purification Immunogen affinity purified
Specificity Human, mouse, rat.	<b>Contents</b> Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN <sub>3</sub> .
No cross reactivity with other proteins.	Storage Store at 4°C for frequent use.
Recommended application Immunoprecipitation(IP)	<b>Description:</b> This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic

## 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.<sup>1</sup> 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.<sup>2</sup> It regulates allergic airway inflammation and may provide a link between fatty acid metabolism and asthma.<sup>3</sup>

## REFERENCE

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