

## 39-2008: Anti-FABP4 Polyclonal Antibody

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB,IHC-P
<b>Reactivity :</b>	Mouse, Rat
<b>Gene :</b>	FABP4
<b>Gene ID :</b>	2167
<b>Uniprot ID :</b>	P15090
<b>Format :</b>	Lyophilized
<b>Alternative Name :</b>	Fatty acid-binding protein, adipocyte; Adipocyte lipid-binding protein; ALBP; Adipocyte-type fatty acid-binding protein; A-FABP; AFABP; Fatty acid-binding protein 4; FABP4
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	A synthetic peptide corresponding to a sequence at the N-terminus of Human FABP4 (10-40aa KLVSSNFDDYMKEVGVGFATRKVAGMAKPN), identical to the related Mouse and Rat sequences.

## Description

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.

## Product Info

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Immunogen affinity purified.
<b>Content :</b>	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg NaN <sub>3</sub> . Reconstitute : Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
<b>Storage condition :</b>	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.

## Application Note

Western blot : 0.1-0.5 µg/ml; Immunohistochemistry(Paraffin-embedded Section) : 0.5-1 µg/ml

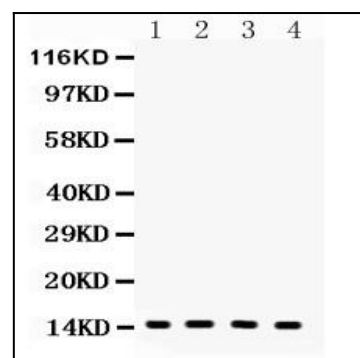


Figure 1: Anti-FABP4 antibody(39-2008). Western blotting : Lanes: Anti FABP4(39-2008) at 0.5ug/ml, Lane 1: Rat Thymus Tissue Lysate at 50ug, Lane 2: Rat Cardiac Muscle Tissue Lysate at 50ug, Lane 3: Mouse Thymus Tissue Lysate at 50ug, Lane 4: Mouse Cardiac Muscle Tissue Lysate at 50ug. Predicted band size: 15 kDa. Observed band size: 15 kDa.

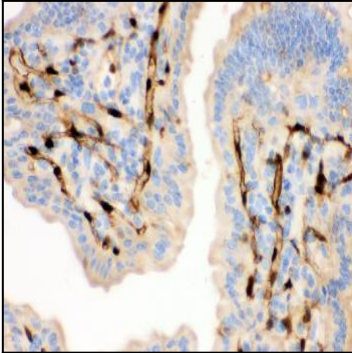


Figure 2: Anti-FABP4 antibody(39-2008). IHC(P): Mouse Intestine Tissue.

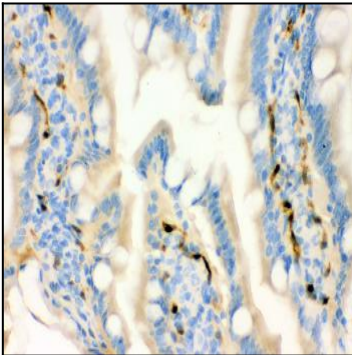


Figure 3: Anti-FABP4 antibody(39-2008). IHC(P): Rat Intestine Tissue.