

39-2008: Anti-FABP4 Polyclonal Antibody

Clonality :	Polyclonal
Application :	WB,IHC-P
Reactivity :	Mouse, Rat
Gene :	FABP4
Gene ID :	2167
Uniprot ID :	P15090
Format :	Lyophilized
Alternative Name :	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
Isotype :	Rabbit IgG
Immunogen Information :	A synthetic peptide corresponding to a sequence at the N-terminus of Human FABP4 (10-40aa KLVSSNFDDYMKEVGVGFATR KVAGMAKPN), 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

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

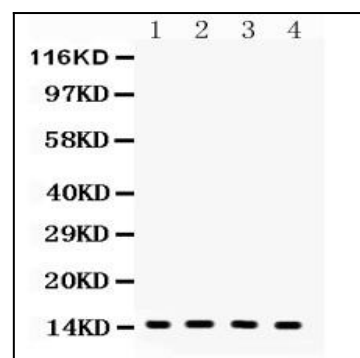


Figure 1: Anti-FABP4 antibody(39-2008). Western blotting : Lanes: Anti FABP4(39-2008) at 0.5ug/ml, Lane 1: Rat Thymus Tissue Lysate at 50ug, Lane 2: Rat Cardiac Muscle Tissue Lysate at 50ug, Lane 3: Mouse Thymus Tissue Lysate at 50ug, Lane 4: Mouse Cardiac Muscle Tissue Lysate at 50ug. Predicted band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

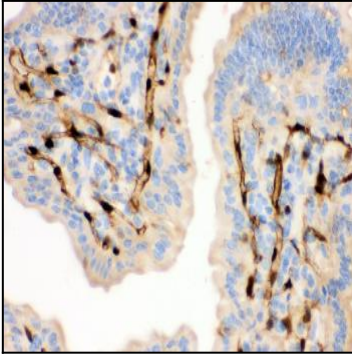


Figure 2: Anti-FABP4 antibody(39-2008). IHC(P): Mouse Intestine Tissue.

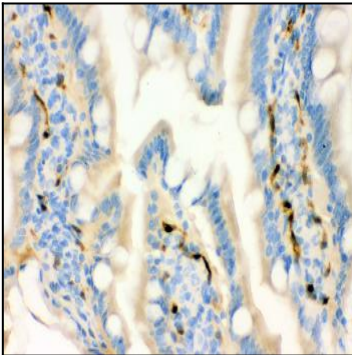


Figure 3: Anti-FABP4 antibody(39-2008). IHC(P): Rat Intestine Tissue.