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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 KLVSSENFDDYMKEVGVGFATRKVAGMAKPN), 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 Na2HPO4, 0.05mg NaN3. 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 : 0.1-0.5Ã[¼g/ml; Immunohistochemistry(Paraffin-embedded Section) : 0.5-1Ã[¼g/ml

	1	2	3	4
116KD —				
97KD —				
58KD —				
40KD -				
29KD -				
20KD -				
14KD -	-	-	-	-

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.

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9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982 Email: info@abeomics.com

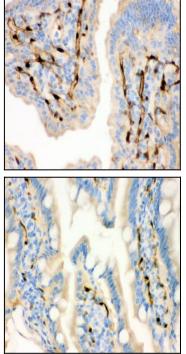


Figure 2: Anti-FABP4 antibody(39-2008). IHC(P): Mouse Intestine Tissue.

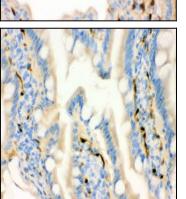


Figure 3: Anti-FABP4 antibody(39-2008). IHC(P): Rat Intestine Tissue	Figure 3: Anti-FABP4	antibody(39-2008).	IHC(P): R	at Intestine Tissue.
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