

Nur für Forschungszwecke

# FABP4 Polyklonaler Antikörper

Katalog-Nr.: 15872-1-AP

10 Publikationen



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 15872-1-AP	<b>GenBank-Zugangsnummer:</b> BC003672	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul, Konzentration: 500 µg/ml von Nanodrop und 267 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 2167	<b>Empfohlene Verdünnungen:</b> WB 1:500-1:1000 IHC 1:20-1:200 IF 1:20-1:200
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> fatty acid binding protein 4, adipocyte	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 132 aa, 15 kDa	
<b>Immunogen Katalognummer:</b> AG8631	<b>Beobachtete Masse:</b> 15 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> IF, IHC, WB, ELISA	<b>Positivkontrollen:</b> WB: Ratten-Skelettmuskelgewebe, Maus-Skelettmuskelgewebe IHC: humanes Zervixgewebe, humanes Hautgewebe IF: mouse adipose, HUVEC-Zellen
<b>In Publikationen genannte Anwendungen:</b> IF, IHC, WB	
<b>Getestete Reaktivität:</b> Human, Maus, Ratte	
<b>Zitierte Arten:</b> Human, Maus, Ratte	
<b>Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	

## Hintergrundinformationen

Fatty acid binding protein (FABP) 4 is a member of the FABP family which abundantly expressed, fatty acid carrier proteins. FABPs are capable of binding a variety of hydrophobic molecules such as long-chain fatty acids and are important for their uptake and intracellular trafficking. It was first identified as an adipocyte-specific protein, important for the maintenance of lipid and glucose metabolism. It is also detected in macrophages, where it participates in regulating inflammation and cholesterol trafficking via NFκB and PPAR. In more recent studies, FABP4 has been found in a variety of endothelial cells, where it has been identified as a target of VEGF and a regulator of cell proliferation and possibly angiogenesis. Pathologically, FABP4 has been associated with the development of metabolic syndrome, diabetes and cancer and vulnerability of atherosclerotic plaques. FABP4 has been identified as a novel prognostic factor for both adverse cardiovascular events and breast cancer.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Marion Claudia Salzer	30415840	Cell	IF
Xin Peng	35646835	Front Bioeng Biotechnol	WB
J Zhou	25817070	Int J Obes (Lond)	WB

## Lagerung

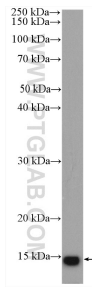
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

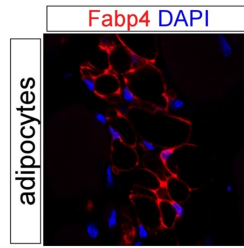
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

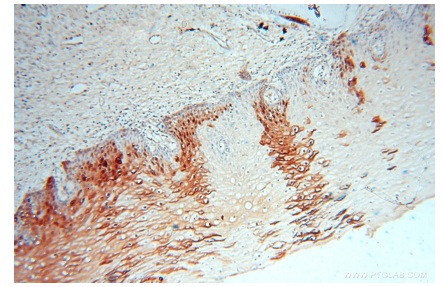
## Ausgewählte Validierungsdaten



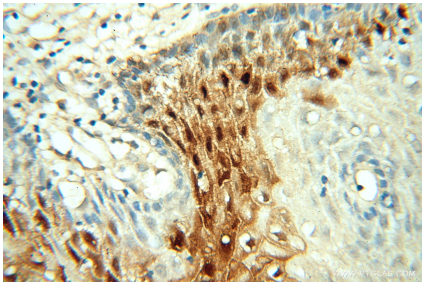
rat skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 15872-1-AP (FABP4 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IF result of anti-FABP4 (15872-1-AP, 1:500) with PFA fixed mouse adipose tissue by Dr. Daniel Kopinke.



Immunohistochemical analysis of paraffin-embedded human cervix using 15872-1-AP (FABP4 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human cervix using 15872-1-AP (FABP4 antibody) at dilution of 1:50 (under 40x lens).