

Allgemeine Informationen

Katalog-Nr.: 67167-1-Ig	GenBank-Zugangsnummer: BC003672	Reinigungsmethode: Protein-A-Reinigung
Größe: 150ul, Konzentration: 1100 µg/ml von2167 Nanodrop und 747 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): Vollständiger Name: fatty acid binding protein 4, adipocyteWB	CloneNo.: 3E7E1 Empfohlene Verdünnungen: IHC 1:800-1:4000
Wirt: Maus	Berechnete Masse: 132 aa, 15 kDa	
Isotyp: IgG2b	Beobachtete Masse: 14 kDa	
Immunogen Katalognummer: AG8565		

Anwendungen

Geprüfte Anwendungen: IHC, WB, ELISA	Positivkontrollen: WB: Rattenherzgewebe, Hausschwein-Fettgewebe, Mausherzgewebe IHC: humanes Mammakarzinomgewebe,
In Publikationen genannte Anwendungen: IHC, WB	
Getestete Reaktivität: Hausschwein, Human, Maus, Ratte	
Zitierte Arten: Human, Maus	
Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.	

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
Aozora Nagaoka	35491170	Biol Pharm Bull	WB
Jie Zhou	35765036	Stem Cell Res Ther	WB
Jinghui Lu	34976793	Front Oncol	WB

Lagerung

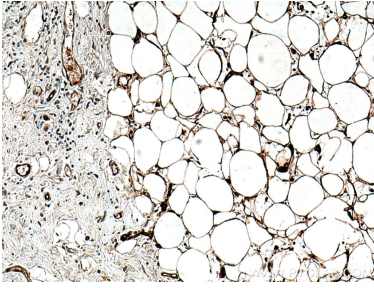
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

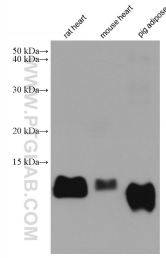
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Ausgewählte Validierungsdaten



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67167-1-Ig (FABP4 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 67167-1-Ig (FABP4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.