

À des fins de recherche uniquement

# Anticorps Monoclonal anti-FABP4

Numéro de catalogue: 67167-1-Ig **4 Publications**



## Informations de base

Numéro de catalogue: 67167-1-Ig	Numéro d'acquisition GenBank: BC003672	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 1100 µg/ml by Nanodrop and 747 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 2167	CloneNo.: 3E7E1
Hôte: Mouse	Nom complet: fatty acid binding protein 4, adipocyte	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:800-1:4000
Isotype: IgG2b	MW calculé: 132 aa, 15 kDa	
Immunogen Catalog Number: AG8565	MW observés: 14 kDa	

## Applications

### Applications testées:

IHC, WB, ELISA

### Demandes citées:

IHC, WB

### Spécificité de l'espèce:

Humain, porc, rat, souris

### Espèces citées:

Humain, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) A défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

### Contrôles positifs:

WB : tissu cardiaque de rat, tissu adipeux de porc, tissu cardiaque de souris

IHC : tissu de cancer du sein humain,

## Informations générales

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.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Aozora Nagaoka	35491170	Biol Pharm Bull	WB
Jie Zhou	35765036	Stem Cell Res Ther	WB
Jinghui Lu	34976793	Front Oncol	WB

## Stockage

### Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

### Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

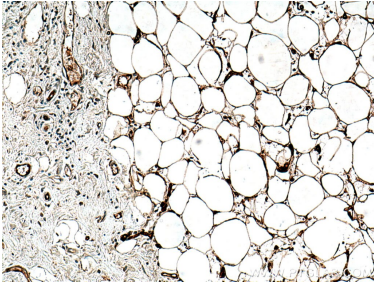
For technical support and original validation data for this product please contact:

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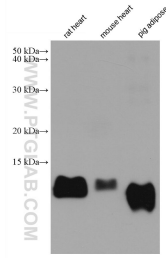
E: proteintech@ptglab.com  
W: ptglab.com

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

## Données de validation sélectionnées



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.