

## Product datasheet for **TA349316S**

### FABP2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Mouse small intestine tissue IHC: 25-100 Positive control: Human breast cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human FABP2
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	15 kDa
Gene Name:	fatty acid binding protein 2
Database Link:	<a href="#">NP_000125</a> <a href="#">Entrez Gene 14079 Mouse</a> <a href="#">Entrez Gene 25598 Rat</a> <a href="#">Entrez Gene 2169 Human</a> <a href="#">P12104</a>



[View online »](#)

**Background:**

The intracellular fatty acid-binding proteins (FABPs) belong to a multigene family with nearly twenty identified members. FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15 kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. They may also be responsible in the modulation of cell growth and proliferation. Intestinal fatty acid-binding protein 2 gene contains four exons and is an abundant cytosolic protein in small intestine epithelial cells. This gene has a polymorphism at codon 54 that identified an alanine-encoding allele and a threonine-encoding allele. Thr-54 protein is associated with increased fat oxidation and insulin resistance.

**Synonyms:**

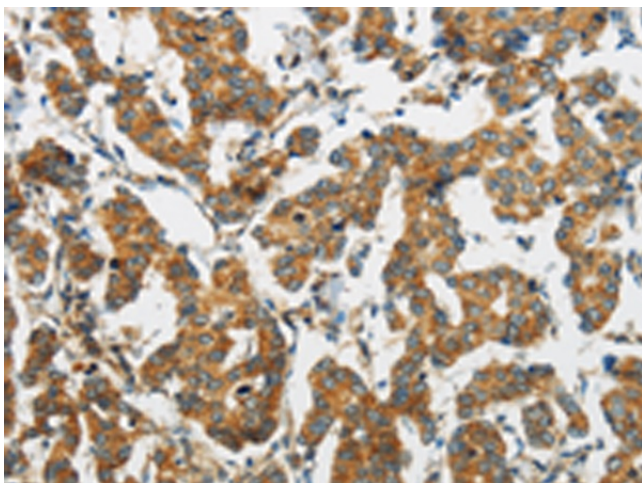
FABPI; I-FABP

**Protein Pathways:**

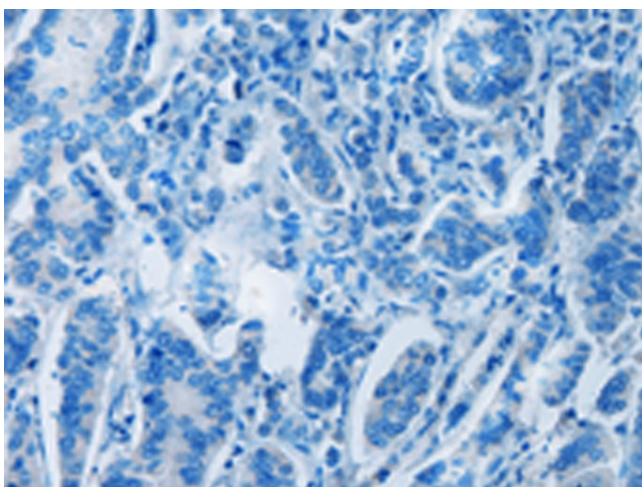
PPAR signaling pathway

**Product images:**

Gel: 10%SDS-PAGE  
Lysate: 40 µg  
Lane: Mouse small intestine tissue  
Primary antibody: [TA349316] (FABP2 Antibody)  
at dilution 1/300  
Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution  
Exposure time: 2 minutes



Immunohistochemistry of paraffin-embedded  
Human breast cancer tissue using [TA349316]  
(FABP2 Antibody) at dilution 1/30 (Original  
magnification: ×200)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA349316] (FABP2 Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: ×200)