ARG56532
anti-FABP2 / Intestinal FABP antibody

Package: 250 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes FABP2 / Intestinal FABP
Tested Reactivity	Hu, Rat
Tested Application	WB
Specificity	This antibody does not react to FABP1, FABP3 and FABP4.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	FABP2 / Intestinal FABP
Species	Human
Immunogen	Synthetic peptide around aa. 33-40 of Human Intestinal FABP.
Conjugation	Un-conjugated
Alternate Names	Intestinal-type fatty acid-binding protein; I-FABP; Fatty acid-binding protein, intestinal; Fatty acid-binding protein 2; FABPI

Application Instructions

Application table

Application	Dilution
WB	1:200 (3 µg/ml)

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

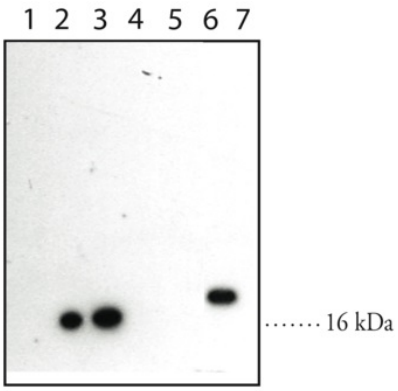
Bioinformation

Database links: GeneID: 2169 Human

GeneID: 25598 Rat

	Swiss-port # P02693 Rat
	Swiss-port # P12104 Human
Gene Symbol	FABP2
Gene Full Name	fatty acid binding protein 2, intestinal
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. [provided by RefSeq, Jul 2008]
Function	FABP are thought to play a role in the intracellular transport of long-chain fatty acids and their acyl-CoA esters. FABP2 is probably involved in triglyceride-rich lipoprotein synthesis. Binds saturated long-chain fatty acids with a high affinity, but binds with a lower affinity to unsaturated long-chain fatty acids. FABP2 may also help maintain energy homeostasis by functioning as a lipid sensor. [UniProt]
Calculated Mw	15 kDa

Images



ARG56532 anti-FABP2 / Intestinal FABP antibody WB image

Western blot: 1) 0.4 µg of Rat Recombinant FABP1, 2) 0.025 µg of Rat Recombinant FABP2, 3) 0.050 µg of Rat Recombinant FABP2, 4) 0.4 µg of Human Recombinant FABP3, 5) 0.4 µg of Mouse Recombinant FABP4, 6) 0.4 µg of Mouse Recombinant FABP5, and 7) 30 µg of Human Duodenum Homogenate stained with ARG56532 anti-FABP2 / Intestinal FABP antibody.