

产品名称: I-FABP Rabbit Polyclonal Antibody
产品货号: APRab12370



产品概述 (Summary)

产品名称 (Production Name)	I-FABP Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	FABP2 FABPI
别名 (Alternative Names)	Fatty acid-binding protein, intestinal (Fatty acid-binding protein 2;Intestinal-type fatty acid-binding protein;I-FABP)
基因 ID (Gene ID)	2169.0
蛋白 ID (SwissProt ID)	P12104.Synthetic peptide from human protein at AA range: 90-132

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:200,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	15kDa

研究背景 (Background)

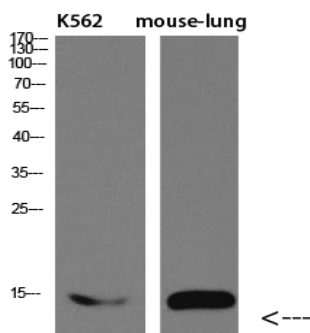
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The intracellular fatty acid-binding proteins (FABPs) belong to a multigene family with nearly twenty identified members. FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15 kDa proteins 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],domain:Forms a beta-barrel structure that accommodates the hydrophobic ligand in its interior.,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.,induction:By EGF.,similarity:Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.,tissue specificity:Expressed in the small intestine and at much lower levels in the large intestine. Highest expression levels in the jejunum.,

研究领域 (Research Area)

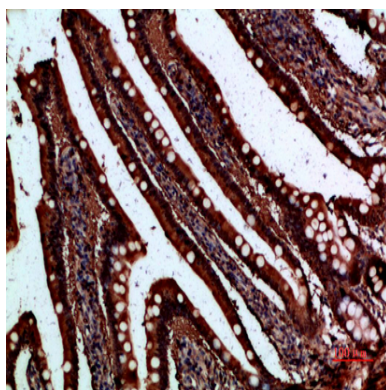
PPAR;

图片 (Image Data)

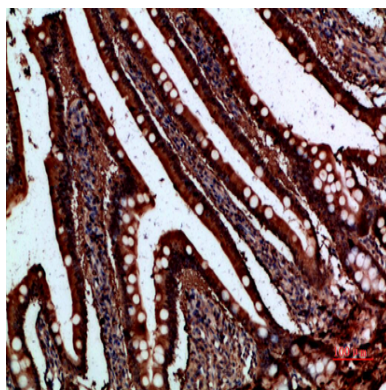


Western blot analysis of mouse-brain mouse-spinal-cord lysate, antibody was diluted at 2000. Secondary antibody was diluted at 1:20000

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Immunohistochemical analysis of paraffin-embedded human-small-intestine, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-small-intestine, antibody was diluted at 1:200

注意事项 (Note)

For research use only .