

FABP4 (PT0176R) PT® Rabbit mAb

Catalog No :	YM8108
Reactivity :	Human; Mouse; Rat;
Applications :	WB;IHC;IF;IP;ELISA
Target :	A-FABP
Fields :	>>PPAR signaling pathway;>>Regulation of lipolysis in adipocytes
Gene Name :	FABP4
Protein Name :	A-FABP
Human Gene Id :	2167
Human Swiss Prot No :	P15090
Mouse Gene Id :	11770
Mouse Swiss Prot No :	P04117
Rat Swiss Prot No :	P70623
Specificity :	endogenous
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, rabbit, IgG, Kappa
Dilution :	IHC 1:200-1000, WB 1:1000-5000, IF 1:200-1000, ELISA 1:5000-20000, IP 1:50-200
Purification :	Protein A
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 15kD

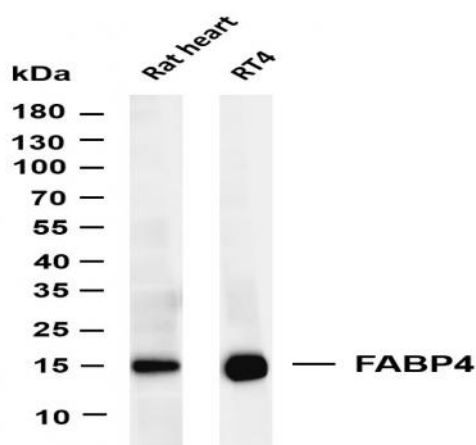
Observed Band : 15kD

Background : FABP4 encodes the fatty acid binding protein found in adipocytes. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism. [provided by RefSeq, Jul 2008],

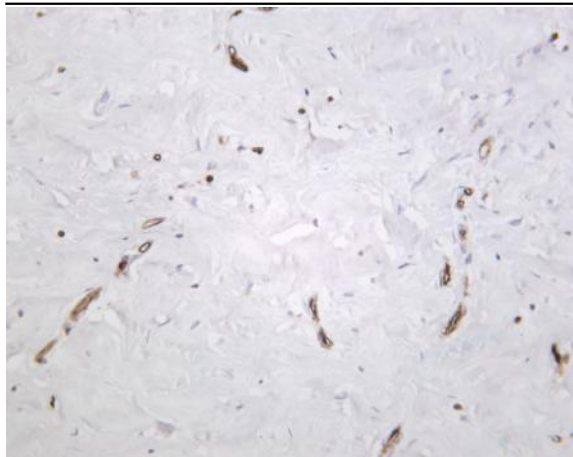
Function : domain:Forms a beta-barrel structure that accommodates hydrophobic ligands in its interior.,function:Lipid transport protein in adipocytes. Binds both long chain fatty acids and retinoic acid. Delivers long-chain fatty acids and retinoic acid to their cognate receptors in the nucleus.,similarity:Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.,subcellular location:Depending on the nature of the ligand, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus. Subject to constitutive nuclear export.,subunit:Homodimer. Interacts with PPARG (By similarity). Monomer.,

Subcellular Location : Cytoplasm

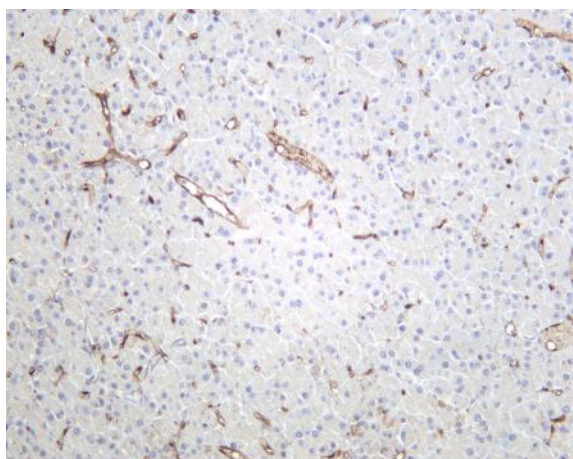
Products Images



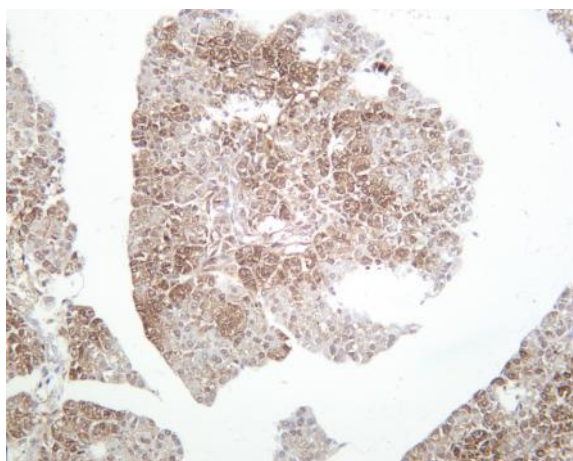
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-FABP4 (PT0176R) antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Rat heart Lane 2: RT4 Predicted band size: 15kDa Observed band size: 15kDa



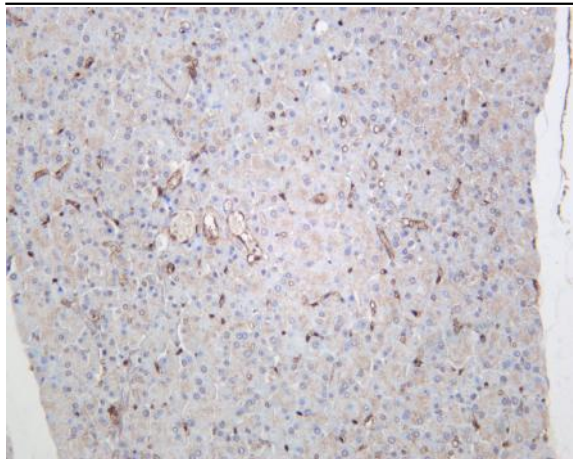
Human breast carcinoma was stained with Anti-FABP4 (PT0176R) rabbit antibody



Mouse pancreas was stained with Anti-FABP4 (PT0176R) rabbit antibody



Rat pancreas was stained with Anti-FABP4 (PT0176R) rabbit antibody



Rat pancreas was stained with anti-FABP4 (PT0176R) rabbit antibody