



FABP4 Rabbit mAb

Catalog No	YP-rAb-18041
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Gene Name	FABP4
Protein Name	A-FABP
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1000; WB 1:1000-5000; IF 1:200-1000; ELISA 1:5000-20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	Fatty acid-binding protein, adipocyte ; Adipocyte lipid-binding protein ; ALBP ; Adipocyte-type fatty acid-binding protein ; A-FABP ; AFABP ; Fatty acid-binding protein 4 ;
Observed Band	15kD
Calculated Molecular Weight	15kD
Cell Pathway	Cytoplasm
Tissue Specificity	
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.,





Background

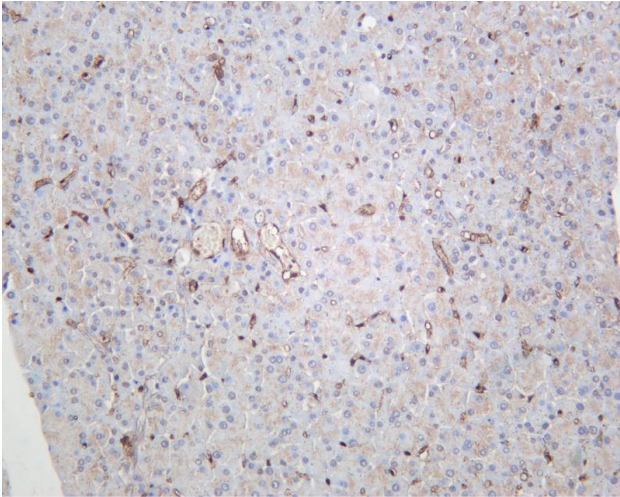
FABP4 encodes the fatty acid binding protein found in adipocytes. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism.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

matters needing attention

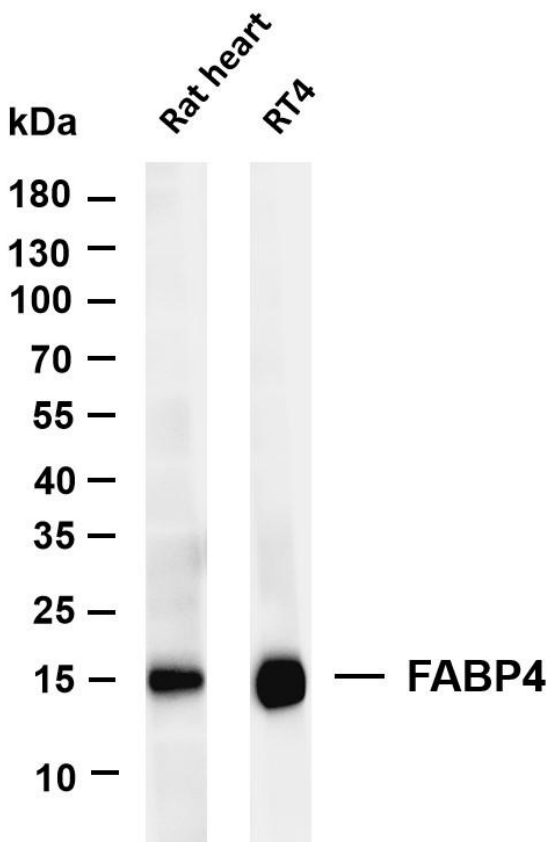
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

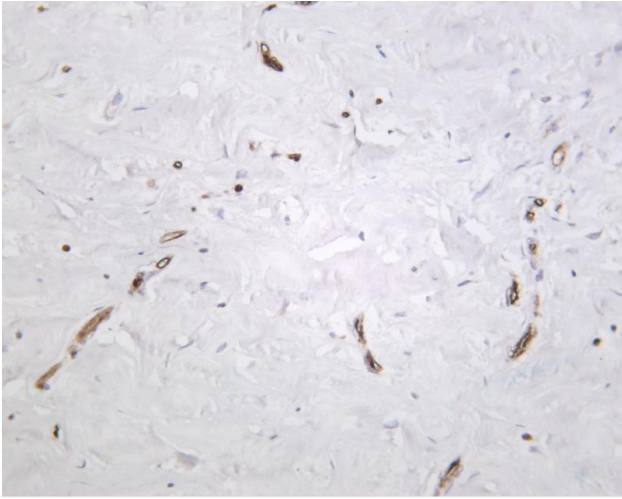


Rat pancreas was stained with anti-FABP4 rabbit antibody

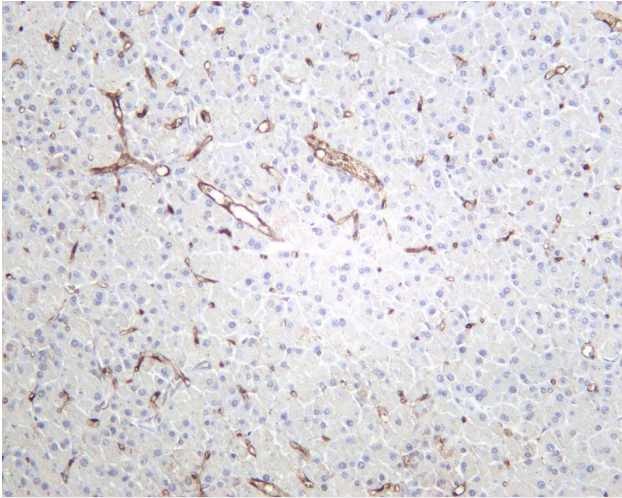


Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-FABP4 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Rat heart Lane 2: RT4 Predicted band size: 15kDa Observed band size: 15kDa

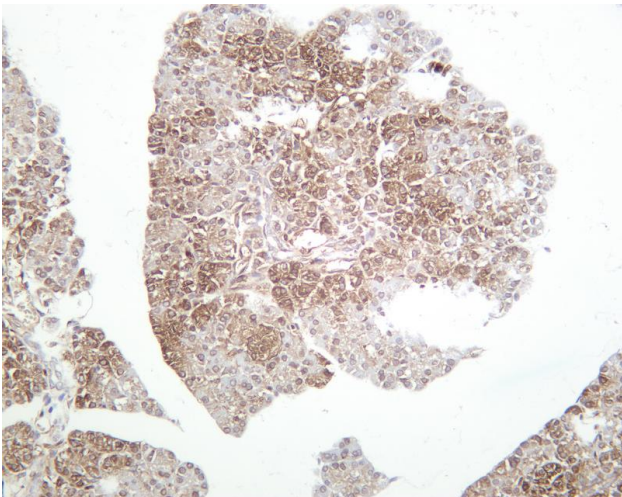




Human breast carcinoma was stained with Anti-FABP4 rabbit antibody



Mouse pancreas was stained with Anti-FABP4 rabbit antibody



Rat pancreas was stained with Anti-FABP4 rabbit antibody

