

Datasheet for ABIN6939368

anti-FABP5 antibody

4 Images

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Overview

Quantity:	100 µg
Target:	FABP5
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FABP5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human full-length FABP5 protein
Clone:	CPTC-FABP5-3
Isotype:	IgG2a kappa
Purification:	Purified by Protein A/G

Target Details

Target:	FABP5
Alternative Name:	FABP5 (FABP5 Products)
Background:	This gene encodes the fatty acid binding protein found in epidermal cells, and was first identified as being upregulated in psoriasis tissue. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABPs may play roles in fatty acid uptake, transport, and metabolism.

Target Details

Polymorphisms in this gene are associated with type 2 diabetes. The human genome contains many pseudogenes similar to this locus. FABP5 is also associated with poor survival in triple-negative breast cancer. Additionally, FABP5 gene is upregulated in colorectal cancer cells compared to normal colon cells in a manner that correlates with disease stage and that FABP5 significantly promotes colorectal cancer cell growth and metastatic potential.

Molecular Weight: 15.4kDa

Gene ID: 2171

UniProt: [Q01469](#)

Application Details

Application Notes: Positive Control: MOLT-4 and HEK-293 cell lines. Esophagus, Skin. Keratinocytes, highly expressed in psoriatic skin. Colon.

Known Application: Western Blot (1-2 µg/mL), ,Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT),(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10mM PBS with 0.05% BSA & 0.05% azide.

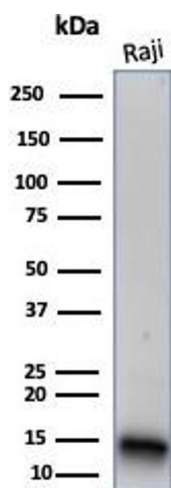
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

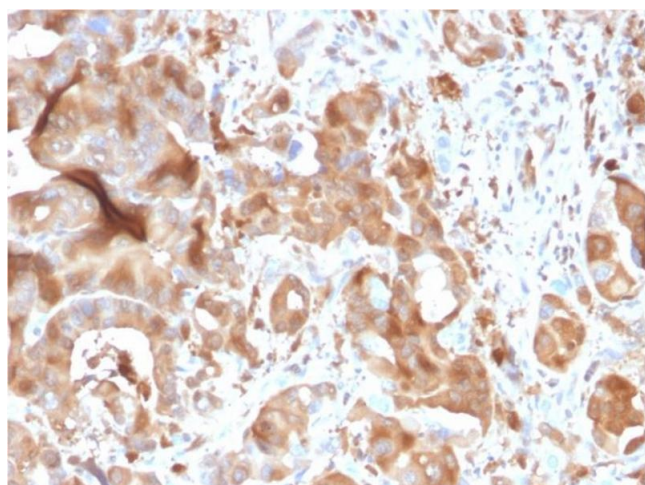
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



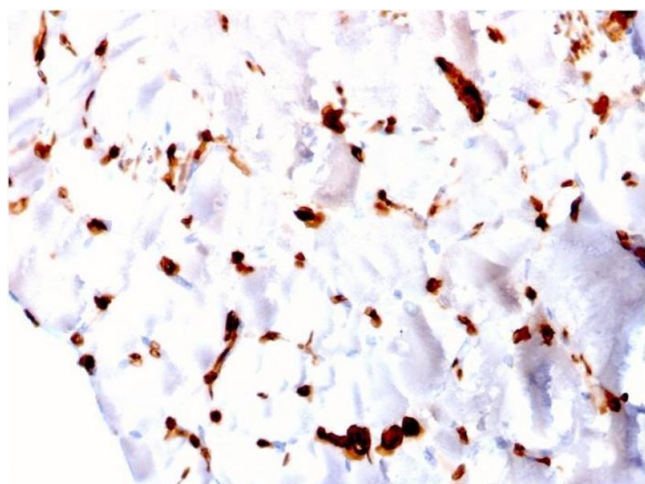
Western Blotting

Image 1. Western blot analysis of Raji cell lysate using FABP5 Mouse Monoclonal Antibody (CPTC-FABP5-3).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Hepatic Carcinoma stained with FABP5 Mouse Monoclonal Antibody (CPTC-FABP5-3).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Skeletal Muscle stained with FABP5 Mouse Monoclonal Antibody (CPTC-FABP5-3).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6939368.