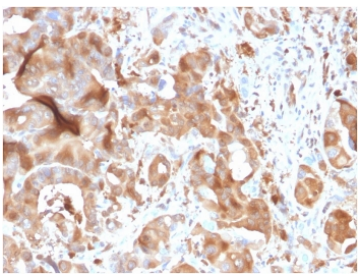
FABP5 Antibody [clone CPTC-FABP5-3] (V3984)

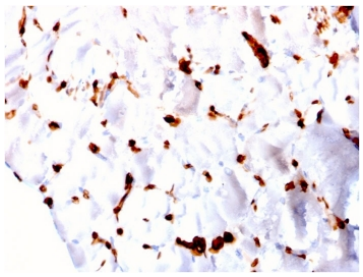
Catalog No.	Formulation	Size
V3984-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3984-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3984SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3984IHC-7ML	1 mg/ml in 1X PBS; BSA free, sodium azide free	7 ml

Bulk quote request

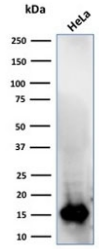
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	CPTC-FABP5-3
Purity	Protein G affinity chromatography
UniProt	Q01469
Localization	Nuclear, cytoplasmic
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This FABP5 antibody is available for research use only.



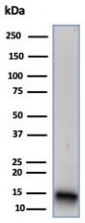
FABP5 Antibody Hepatic Carcinoma IHC. Immunohistochemistry testing of FFPE human hepatic carcinoma with FABP5 antibody. HIER: boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool prior to staining.



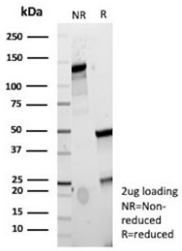
FABP5 Antibody Skeletal Muscle IHC. Immunohistochemistry testing of FFPE human skeletal muscle with FABP5 antibody. HIER: boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool prior to staining.



FABP5 Antibody Human HeLa Cell WB. Western blot testing of human HeLa cell lysate with FABP5 antibody. Predicted molecular weight ~15 kDa.



FABP5 Antibody Human Raji Cell WB. Western blot testing of human Raji cell lysate with FABP5 antibody. Predicted molecular weight ~15 kDa.



SDS-PAGE analysis of purified, BSA-free FABP5 antibody (clone CPTC-FABP5-3) as confirmation of integrity and purity.

Description

FABP5 Antibody specifically detects FABP5. 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. 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.

Explore our central FABP5 antibody page for additional western blot, immunohistochemistry, and microarray specificity validation data supporting studies of lipid transport, epidermal biology, and metabolic signaling pathways.

Application Notes

Titering of the FABP5 antibody may be required for optimal performance.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if

required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant full length human protein was used as the immunogen for the FABP5 antibody.

Storage

Store the FABP5 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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