

## FABP5 (Marker of Metastatic Potential in Colorectal Cancer) Antibody

Mouse Monoclonal Antibody [Clone CPTC-FABP5-3]

Catalog No	Format	Size
2171-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2171-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2171-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

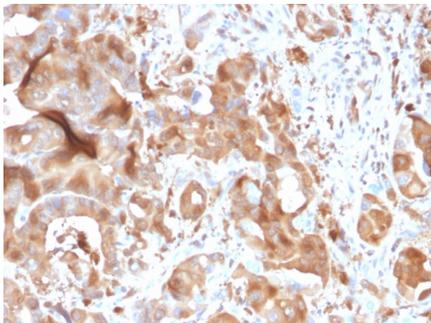
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

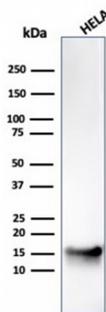
<b>Clone</b>	CPTC-FABP5-3
<b>Gene Name</b>	FABP5
<b>Immunogen</b>	Recombinant human full-length FABP5 protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2a / Kappa
<b>Mol. Weight of Antigen</b>	15.4kDa
<b>Cellular Localization</b>	Cell junction, Cytoplasm, Nucleus, Postsynaptic density, Secreted, Synapse
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	HeLa or HEK-293 cells. Keratinocytes; highly expressed in psoriatic skin., Molt-4, Raji

\*Optimal dilution for a specific application should be determined.

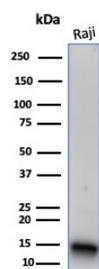
### Product Images for FABP5 (Marker of Metastatic Potential in Colorectal Cancer) Antibody



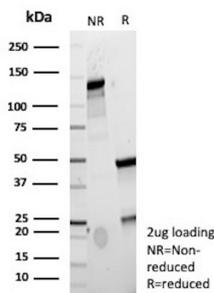
Formalin-fixed, paraffin-embedded human hepatic carcinoma stained with FABP5 Mouse Monoclonal Antibody (CPTC-FABP5-3).



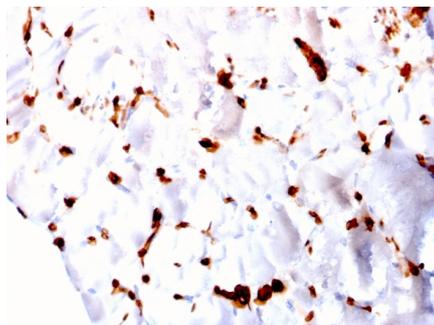
Western blot analysis of HeLa cell lysate using FABP5 Mouse Monoclonal Antibody (CPTC-FABP5-3).



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



SDS-PAGE Analysis Purified FABP5 Mouse Monoclonal Antibody (CPTC-FABP5-3). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human skeletal muscle stained with FABP5 Mouse Monoclonal Antibody (CPTC-FABP5-3).

### Specificity & Comments

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.

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

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.

### Research Areas

Cardiovascular, Immunology, Signal Transduction