FABP5 (Marker of Metastatic Potential in Colorectal Cancer) Antibody

Mouse Monoclonal Antibody [Clone FABP5/3750]

Catalog No	Format	Size
2171-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2171-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2171-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

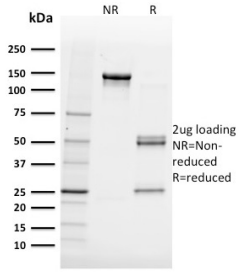
Applications	Tested Dillution	Note
Western Blot (WB)	2-4ug/ml	

Product Details

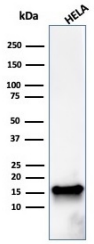
Clone	FABP5/3750
Gene Name	FABP5
Immunogen	Recombinant full-length human FABP5 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	15.4kDa
Cellular Localization	Cell junction, Cytoplasm, Nucleus, Postsynaptic density, Secreted, Synapse
Species Reactivity	Human
Positive Control	HeLa, MOLT-4 and HEK-293 cell lines. Esophagus, Skin. Keratinocytes; highly expressed in psoriatic skin. Colon.

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

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



SDS-PAGE Analysis Purified FABP5 Mouse Monoclonal Antibody (FABP5/3750). Confirmation of Purity and Integrity of Antibody.



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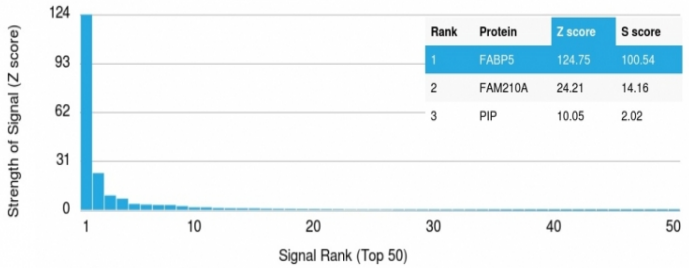
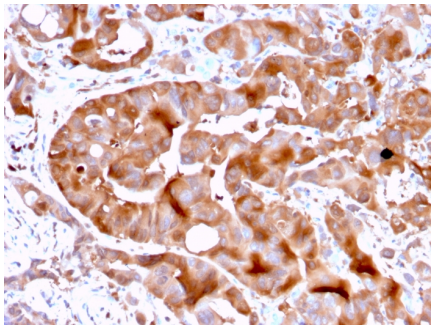


Analysis of Protein Array containing more than 19,000 full-length human proteinsusing FABP5 Mouse Monoclonal Antibody (FABP5/3750). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Formalin-fixed, paraffin-embedded human Liver tissue stained with FABP5 Mouse Monoclonal Antibody (FABP5/3750).

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.

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

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.