

Mouse FABP5 Monoclonal Antibody | anti-FABP5 antibody

FABP5 (Marker of Metastatic Potential in Colorectal Cancer)

CATALOG # AAA214737	HOST Mouse	REACTIVITY Human. Others not tested.	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

FABP5; Monoclonal Antibody; FABP5 (Marker of Metastatic Potential in Colorectal Cancer); E-FABP; EFABP; PA-FABP; PAFABP; anti-FABP5 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not tested.
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	CPTC-FABP5-3
Specificity	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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	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.
Sequence Length	135
Applicable Applications for anti-FABP5 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant human full length protein
Positive Control	MOLT-4 and HEK-293 cell lines. Esophagus, Skin. Keratinocytes; highly expressed in psoriatic skin. Colon.
Cellular Localization	Nucleus and cytoplasm.
Chromosome Location	8q21.13
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using FABP5 Mouse Monoclonal Antibody (CPTC-FABP5-3). 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 HuProt™ 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 HuProt™ 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.



SDS-PAGE

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



IHC (Immunohistochemistry)

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

ADDITIONAL INFORMATION

References	Liu, Rong-Zong et al. The American Journal of Pathology 178.3 (2011): 997-100
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557581
NCBI GeneID	2171
NCBI Accession #	NP_001435.1
NCBI GenBank Nucleotide #	NM_001444.2
UniProt Accession #	Q01469; B2R4K0
Molecular Weight	15.4kDa
NCBI Official Full Name	fatty acid-binding protein 5
NCBI Official Synonym Full Names	fatty acid binding protein 5
NCBI Official Symbol	FABP5
NCBI Official Synonym Symbols	EFABP; KFABP; E-FABP; PAFABP; PA-FABP
NCBI Protein Information	fatty acid-binding protein 5
UniProt Protein Name	Fatty acid-binding protein 5
UniProt Gene Name	FABP5
UniProt Synonym Gene Names	E-FABP1 PublicationManual assertion based on opinion iniRef.9; PA-FABP

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