FABP2 (Marker of Metastatic Potential in Colorectal Cancer) Antibody

Mouse Monoclonal Antibody [Clone FABP2/6345]

Catalog No	Format	Size
2169-MSM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2169-MSM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2169-MSM5-P1ABX	Purified Ab with BSA and Azide at 200ug/ml	100 ug

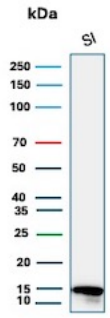
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

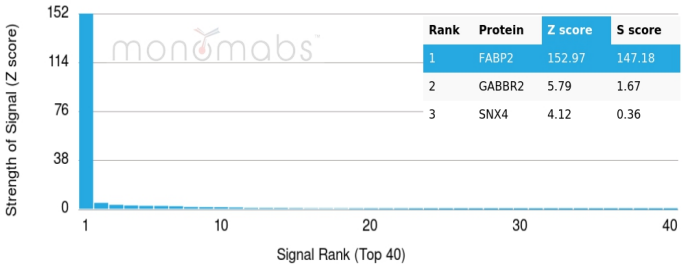
Clone	FABP2/6345
Gene Name	FABP2
Immunogen	Recombinant fragment (around aa1-132) of human FABP2 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2 / Kappa
Mol. Weight of Antigen	15.21kDa
Cellular Localization	Cytoplasm
Species Reactivity	Guinea Pig, Hamster, Human, Mouse, Rabbit, Rat
Positive Control	MOLT-4 or HEK-293 cells. Human Intestine

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

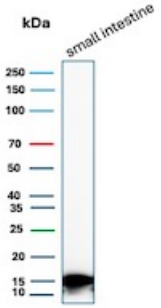
Product Images for FABP2 (Marker of Metastatic Potential in Colorectal Cancer) Antibody



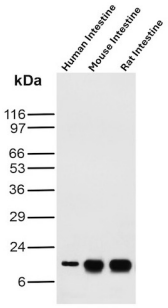
Western blot analysis of human small intestine tissue lysate using FABP2 Mouse Monoclonal Antibody (FABP2/6345).



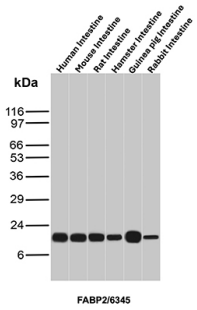
Analysis of Protein Array containing more than 19,000 full-length human proteinsusing FABP2 Mouse Monoclonal Antibody (FABP2/6345). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) 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.



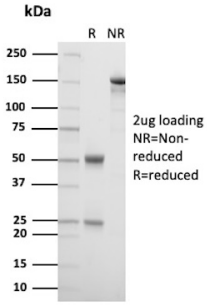
Western blot analysis of human small intestine tissue lysate using FABP2 (Marker of Metastatic Potential in Colorectal Cancer) Mouse Monoclonal Antibody (FABP2/6345).



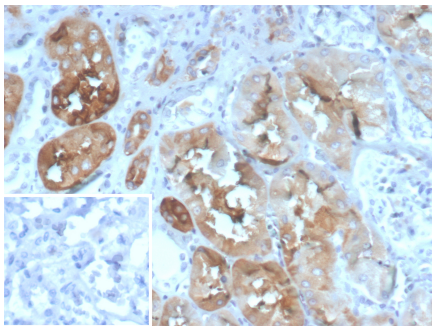
Western blot analysis of Human Intestine, Mouse Intestine and Rat Intestine tissue lysates using FABP2 Mouse Monoclonal Antibody (FABP2/6345).



Western blot analysis of Human intestine, Mouse intestine, Rat intestine, Hamster intestine, Guinea pig intestine and Rabbit intestine tissue lysates using FABP2 Mouse Monoclonal Antibody (FABP2/6345).



SDS-PAGE Analysis of Purified Fatty acid-binding protein, intestinal Mouse Monoclonal Antibody (FABP2/6345). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human kidney stained with FABP2 Mouse Monoclonal Antibody (FABP2/6345). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

The intracellular fatty acid-binding proteins (FABPs) belong to a multigene family with nearly twenty identified members. FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. They may also be responsible in the modulation of cell growth and proliferation. Intestinal fatty acid-binding protein 2 gene contains four exons and is an abundant cytosolic protein in small intestine epithelial cells. This gene has a polymorphism at codon 54 that identified an alanine-encoding allele and a threonine-encoding allele. Thr-54 protein is associated with increased fat oxidation and insulin resistance.

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

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.

2 Union Square, Union City, CA 94587, Tel: 1-866-2-NEOBIO (1-866-263-6246)
orders@NeoBiotechnologies.com, www.NeoBiotechnologies.com

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