Heart Fatty Acid Binding Protein (H-FABP) / FABP3 Antibody

Mouse Monoclonal Antibody [Clone FABP3/3430]

Catalog No	Format	Size
2170-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2170-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2170-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

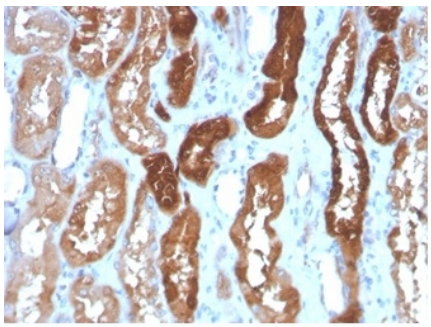
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

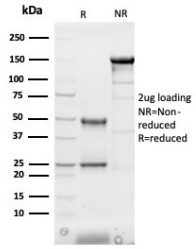
Clone	FABP3/3430
Gene Name	FABP3
Immunogen	Human recombinant FABP3 protein fragment (around aa1-127) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	15kDa
Cellular Localization	Cytoplasm
Species Reactivity	Guinea Pig, Human, Mouse, Rabbit, Rat
Positive Control	Intestine, Skeletal Muscle or Heart

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

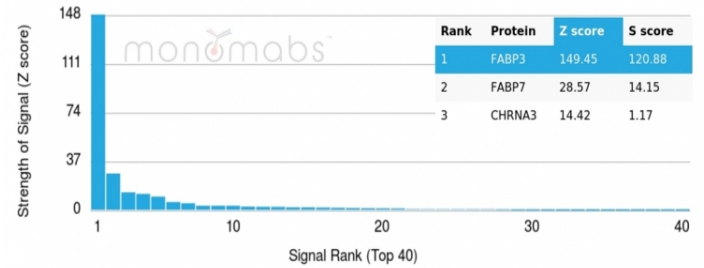
Product Images for Heart Fatty Acid Binding Protein (H-FABP) / FABP3 Antibody



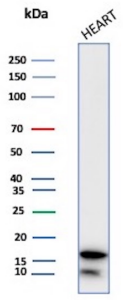
Formalin-fixed, paraffin-embedded human kidney stained with FABP3 Mouse Monoclonal Antibody (FABP3/3430).



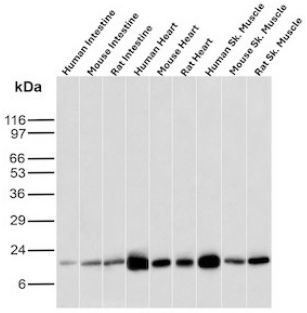
SDS-PAGE Analysis of Purified FABP3 Mouse Monoclonal Antibody (FABP3/3430). Confirmation of Purity and Integrity of Antibody.



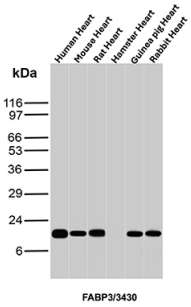
Analysis of Protein Array containing more than 19,000 full-length human proteinsusing FABP3 Mouse Monoclonal Antibody (FABP3/3430). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) 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.



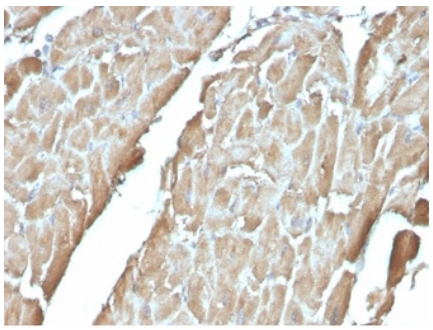
Western Blot Analysis of human Heart tissue lysate using FABP3 Recombinant Mouse Monoclonal Antibody (FABP3/3430).



Western blot analysis of Human Intestine, Mouse Intestine, Rat Intestine, Human Heart, Mouse Heart, Rat Heart, Human Skeletal muscle, Mouse Skeletal muscle and Rat Skeletal muscle tissue lysates using FABP3 Mouse Monoclonal Antibody (FABP3/3430).



Western blot analysis of Human Heart, Mouse Heart, Rat Heart, HamsterHeart, Guinea pig Heart and Rabbit Heart tissue lysates using FABP3 Mouse Monoclonal Antibody (FABP3/3430).



Formalin-fixed, paraffin-embedded human heart stained with FABP3 Mouse Monoclonal Antibody (FABP3/3430).

Specificity & Comments

The intracellular fatty acid-binding proteins (FABPs) belongs to a multigene family. FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15 kDa 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. Fatty acid-binding protein 3 gene contains four exons and its function is to arrest growth of mammary epithelial cells. This gene is a candidate tumor suppressor gene for human breast cancer. Alternative splicing results in multiple transcript variants.

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, Mesenchymal Stem Cell Differentiation

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.