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

Mouse Monoclonal Antibody [Clone FABP3/8442]

Catalog No	Format	Size
2170-MSM10-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2170-MSM10-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2170-MSM10-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

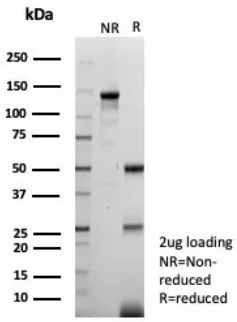
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

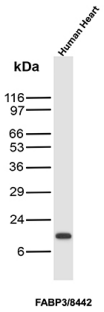
Clone	FABP3/8442
Gene Name	FABP3
Immunogen	Human recombinant FABP3 protein fragment (around aa1-127) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	15kDa
Cellular Localization	Cytoplasm.
Species Reactivity	Human
Positive Control	Human heart or skeletal muscle.

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

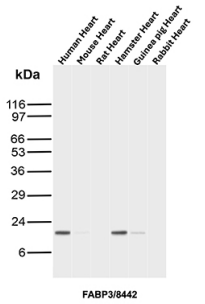
Product Images for Heart Fatty Acid Binding Protein (H-FABP) / FABP3 Antibody



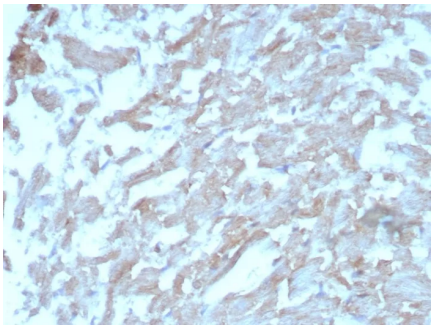
SDS-PAGE Analysis of Purified FABP3 Mouse Monoclonal Antibody (FABP3/8442). Confirmation of Purity and Integrity of Antibody.



Western blot analysis of Human Heart tissue lysate using FABP3 Mouse Monoclonal Antibody (FABP3/8442).



Western blot analysis of heart tissue lysates from human, mouse, hamster and guinea pig using FABP3 Mouse Monoclonal Antibody (FABP3/8442).



Formalin-fixed, paraffin-embedded human heart stained with FABP3 Mouse Monoclonal Antibody (FABP3/8442). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

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.