Fatty Acid Binding Protein (Liver) / FABP1 Antibody

Mouse Monoclonal Antibody [Clone FABP1/4519]

Catalog No	Format	Size
2168-MSM19-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
2168-MSM19-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
2168-MSM19-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

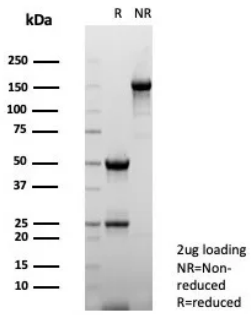
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

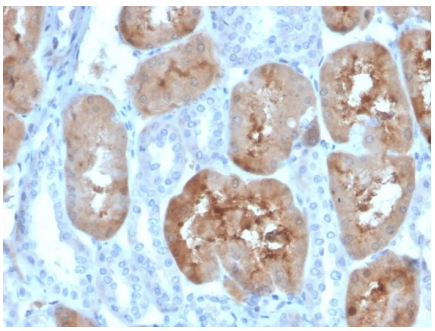
Clone	FABP1/4519
Gene Name	FABP1
Immunogen	Human recombinant FABP1 protein fragment (around aa1-127) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	14kDa
Cellular Localization	Cytoplasm. Nucleus.
Species Reactivity	Human
Positive Control	Liver or colon carcinoma tissues (IHC). Human kidney tissue lysate (WB).

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

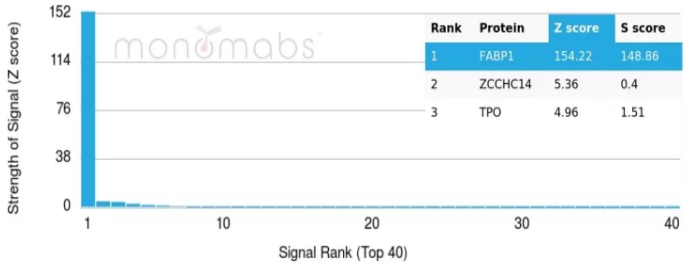
Product Images for Fatty Acid Binding Protein (Liver) / FABP1 Antibody



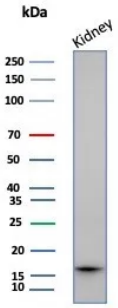
SDS-PAGE Analysis of Purified FABP1 Mouse Monoclonal Antibody (FABP1/4519). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human kidney stained with FABP1 Mouse Monoclonal Antibody (FABP1/4519). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing FABP1-Monospecific Mouse Monoclonal Antibody (FABP1/4519). 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 kidney tissue lysate using FABP1 Mouse Monoclonal Antibody (FABP1/4519).

Specificity & Comments

Fatty acid-binding proteins, designated FABPs, are a family of homologous cytoplasmic proteins that are expressed in a highly tissue-specific manner and play an integral role in the balance between lipid and carbohydrate metabolism. FABPs mediate fatty acid (FA) and/or hydrophobic ligand uptake, transport and targeting within their respective tissues. The mechanisms underlying these actions can give rise to both passive diffusional uptake and protein-mediated transmembrane transport of FAs. FABPs are expressed in adipocytes (A-FABP), brain (B-FABP), epithelium (E-FABP, psoriasis-associated FABP, PA-FABP), striated muscle and heart (H-FABP, mammary-derived growth inhibitor or MDGI), intestine (I-FABP), liver (L-FABP or FABP1), myelin (M-FABP) and testis (T-FABP). FABP1 (L-FABP) expression is modulated by developmental, hormonal, dietary and pharmacological factors, and is required for cholesterol synthesis and metabolism.

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, Nuclear Marker

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.