Fatty Acid Binding Protein (Liver) / FABP1 Antibody

Mouse Monoclonal Antibody [Clone MSVA-501M]

Catalog No	Format	Size
2168-MSM27-P0	Purified Ab with BSA and Azide	20 ug
2168-MSM27-P1	Purified Ab with BSA and Azide	100 ug

Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1:100-1:200	Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:150 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions.

Product Details

Clone	MSVA-501M
Immunogen	Human recombinant FABP1 protein fragment (around aa1-127) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	14kDa
Cellular Localization	Cytoplasm
Species Reactivity	Human
Positive Control	Kidney: A strong cytoplasmic FABP1 immunostaining should be seen in cells of the proximal tubule while other cell types remain negative or display only a faint staining.

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

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



Fatty acid-binding protein, liver Mouse Monoclonal Antibody (MSVA-501M) tested on many normal and cancer tissues. The immunohistochemistry staining in these tissues aligns with the expression data in Human Protein Atlas.

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

Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

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.