

**BIOTINYLATED MONOCLONAL ANTIBODY TO
HUMAN LIVER FATTY ACID BINDING PROTEIN
(L-FABP, FABP1)
clone L2B10**



Catalog no	HM2050 (lot number and expiry date are indicated on the label)																																					
Description	The biotinylated monoclonal antibody L2B10 recognizes human liver fatty acid binding protein (L-FABP) of both natural and recombinant origin. The L-FABP protein is derived from the human <i>FABP1</i> gene. FABPs are small intracellular proteins (~13-14 kDa) with a high degree of tissue specificity that bind long chain fatty acids. They are abundantly present in various cell types and play an important role in the intracellular utilization of fatty acids, transport and metabolism. There are at least nine distinct types of FABP, each showing a specific pattern of tissue expression. Due to its small size, FABP leaks rapidly out of ischemically damaged necrotic cells leading to a rise in serum levels. Ischemically damaged tissues are characterized histologically by absence (or low presence) of FABP facilitating recognition of such areas. L-FABP is localized in the liver, kidney and intestinal epithelium. The monoclonal antibody L2B10 is useful to detect ischemic areas of human liver. Furthermore, the antibody can be used for the purification of human L-FABP.																																					
Aliases	FABP1																																					
Species	Mouse IgG _{2b}																																					
Cross reactivity	Cross reactant	Reactivity																																				
	Baboon L-FABP	Yes																																				
	Dog L-FABP	Yes																																				
	Rat L-FABP	Yes																																				
	Swine L-FABP	Yes																																				
	Human H-FABP	Weak																																				
Formulation	0.5 ml (100 µg/ml) 0.2 µm filtered biotinylated antibody solution in PBS, containing 0.1% bovine serum albumin and 0.02% sodium azide.																																					
Application	<table border="1"> <thead> <tr> <th></th> <th>F</th> <th>FC</th> <th>FS</th> <th>IA</th> <th>IF</th> <th>IP</th> <th>P</th> <th>W</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>•</td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td> <td>•</td> </tr> <tr> <td>No</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>N.D.</td> <td></td> <td>•</td> <td>•</td> <td></td> <td>•</td> <td>•</td> <td>•</td> <td></td> </tr> </tbody> </table>			F	FC	FS	IA	IF	IP	P	W	Yes	•			•				•	No									N.D.		•	•		•	•	•	
	F	FC	FS	IA	IF	IP	P	W																														
Yes	•			•				•																														
No																																						
N.D.		•	•		•	•	•																															
	<small>N.D. = Not Determined; F = Frozen sections; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IF = Immuno Fluorescence; IP = Immuno Precipitation; P = Paraffin sections; W = Western blot</small>																																					
Use	For immunohistology and Western blotting, dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.																																					
Storage and stability	Product should be stored at 4°C. Under recommended storage conditions, product is stable for one year.																																					
Precautions	For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result with the use or derivation of this product.																																					
References	1. Bax, D et al; High-grade dysplasia in Barrett's esophagus is associated with increased expression of calgranulin A and B. <i>Scand J Gastroenterology</i> 2007, 42: 902																																					
Also available	HM2049	Monoclonal antibody against Human L-FABP, clone L2B10																																				
	HM2051	Monoclonal antibody against Human L-FABP, clone K5A6																																				
	HM2052	Biotinylated monoclonal antibody against Human L-FABP, clone K5A6																																				
	HP8010	Polyclonal antibody against Rat L-FABP																																				
	HP9021	Polyclonal antibody against Human L-FABP																																				