

**POLYCLONAL ANTIBODY TO
HUMAN ADIPOCYTE FATTY ACID BINDING PROTEIN
(A-FABP, FABP4)**



Catalog n°	HP9028 (lot number and expiry date are indicated on the label)																																					
Description	The polyclonal antibody recognizes human adipocyte fatty acid binding protein (A-FABP) of both natural and recombinant origin. The A-FABP protein is derived from the human <i>FABP4</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. A-FABP is localized in the adipose tissue.																																					
Aliases	FABP4, Adipocyte lipid binding protein, ALBP, aP2																																					
Species	Rabbit IgG																																					
Cross reactivity	Cross reactant	Reactivity																																				
	Rat A-FABP	Yes																																				
	Human B-FABP	Average																																				
	Human H-FABP	Average																																				
Formulation	1 ml (100 µg/ml) 0.2 µm filtered 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.	•	•	•		•	•	•	
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	<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 Western blotting, dilution 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	<ol style="list-style-type: none"> 1. Veerkamp, J et al; Cytoplasmic fatty acid-binding proteins: their structure and genes. <i>Prog Lipid Res</i> 1995, <i>34</i>: 17 2. Veerkamp, J et al; Structural and functional studies on different human FABP types. <i>Mol Cell Biochem</i> 1999, <i>192</i>: 137 																																					
Also available	HP9020	Polyclonal antibody against Human I-FABP																																				
	HP9021	Polyclonal antibody against Human L-FABP																																				
	HP9029	Polyclonal antibody against Human B-FABP																																				
	HP9030	Polyclonal antibody against Human E-FABP																																				
	HP9031	Polyclonal antibody against Human IL-FABP																																				
	HP9032	Polyclonal antibody against Human M-FABP																																				