

**POLYCLONAL ANTIBODY TO
HUMAN LIVER FATTY ACID BINDING PROTEIN
(L-FABP, FABP1)**



Catalog n° HP9021 (lot number and expiry date are indicated on the label)

Description The polyclonal antibody recognizes human liver fatty acid binding protein (L-FABP) of both natural and recombinant origin. The L-FABP protein is derived from the human *FABP1* 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 hepatocytes and brush cells found in the biliary tract, in mucosa of small and large intestine and in intestinal metaplasia of the gastric mucosa. Furthermore, L-FABP is present in the epithelium of the proximal tubule of the kidney.

Aliases FABP1

Species Rabbit IgG

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

	F	FC	FS	IA	IF	IP	P	W
Yes	•				•	•	•	•
No								
N.D.		•	•	•				

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

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. Suzuki, T et al; Immunohistochemical demonstration of liver fatty acid-binding protein in human hepatocellular malignancies. *J of Path* 1990, *161*: 79
 2. Carroll, S et al; Liver fatty acid-binding protein: A marker for studying cellular differentiation in gut epithelial neoplasms. *Gastroenterology* 1990, *99*: 1727

Also available

HP9020	Polyclonal antibody against Human I-FABP
HP9028	Polyclonal antibody against Human A-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