

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



**Catalog no** HP8010 (lot number and expiry date are indicated on the label)

**Description** The polyclonal antibody recognizes rat liver fatty acid binding protein (L-FABP) of both natural and recombinant origin. The L-FABP protein is derived from the rat *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

<b>Cross reactivity</b>	<b>Cross reactant</b>	<b>Reactivity</b>
	Human L-FABP	Yes
	Swine L-FABP	Yes
	Mouse L-FABP	Yes

**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.

<b>Application</b>	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. Foucaud, L et al; Output of liver fatty acid-binding protein (L-FABP) in bile. *Biochim Biophys Acta* 1999, 1436: 593
  2. Foucaud, L et al; Indirect dexamethasone down-regulation of the liver fatty acid-binding protein expression in rat liver. *Biochim Biophys Acta* 1998, 1391: 204
  3. Suzuki, T et al; Immunohistochemical distribution of hepatic fatty acid-binding protein in rat and human alimentary tract. *J Histochem Cytochem* 1988, 36: 349

**Also available**

HP8011	Polyclonal antibody against Mouse IL-FABP
HP9020	Polyclonal antibody against Mouse I-FABP
HP9021	Polyclonal antibody against Human L-FABP
HM2016	Monoclonal antibody against Mouse H-FABP, clone 66E2
HM2049	Monoclonal antibody against Human L-FABP, clone L2B10