

**MONOCLONAL ANTIBODY TO
HUMAN LIVER FATTY ACID BINDING PROTEIN
(L-FABP, FABP1)
clone K5A6**



Catalog no HM2051 (lot number and expiry date are indicated on the label)

Description The monoclonal antibody K5A6 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 the liver, kidney and intestinal epithelium. The monoclonal antibody K5A6 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 IgG₁

Cross reactivity	Cross reactant	Reactivity
	Human H-FABP	Weak

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.

Also available

HM2049	Monoclonal antibody against Human L-FABP, clone L2B10
HM2050	Biotinylated monoclonal antibody against Human L-FABP
HM2052	Biotinylated monoclonal antibody against Human L-FABP, clone K5A6
HP8010	Polyclonal antibody against Rat L-FABP
HP9021	Polyclonal antibody against Human L-FABP