POLYCLONAL ANTIBODY TO HUMAN INTESTINAL FATTY ACID BINDING PROTEIN (I-FABP, FABP2)

Catalog nr  HP9020 (lot number and expiry date are indicated on the label)

Description  The polyclonal antibody recognizes human intestinal fatty acid binding protein (I-FABP) of both natural and recombinant origin. The I-FABP protein is derived from the human FABP2 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. I-FABP is localized in the small bowel epithelium, with highest expression level in the jejunum.

Aliases  FABP2, FABPI

Species  Rabbit IgG

Cross reactivity  Cross reactant  Reactivity
Rat I-FABP  Yes
Mouse I-FABP  Yes
Sheep I-FABP  Yes
Swine I-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.

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

Application IA and W have been tested by Hycult Biotech.

Use  For Immuno assay 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  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