

DESCRIPTION

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| Species Reactivity | Rat |
| Specificity | Detects rat FABP1/L-FABP in direct ELISAs and Western blots. In Western blots, less than 5% cross-reactivity with recombinant rat FABP2, recombinant human FABP3, recombinant mouse (rm) FABP4, and rmFABP5 is observed. |
| Source | Polyclonal Goat IgG |
| Purification | Antigen Affinity-purified |
| Immunogen | <i>E. coli</i> -derived recombinant rat FABP1/L-FABP Met1-Ile127 Accession # P02692 |
| Formulation | Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. |

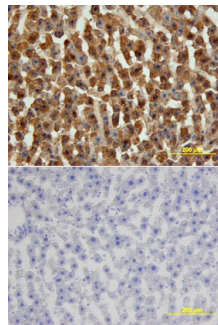
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the *Technical Information* section on our website.

| | Recommended Concentration | Sample |
|-----------------------------|----------------------------------|---------------------------------|
| Western Blot | 0.1 µg/mL | Recombinant Rat FABP1 |
| Immunocytochemistry | 5-15 µg/mL | Immersion fixed rat liver cells |
| Immunohistochemistry | 5-15 µg/mL | See Below |

DATA

Immunohistochemistry



FABP1 in Rat Liver. FABP1 was detected in perfusion fixed frozen sections of rat liver using Goat Anti-Rat FABP1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1565) at 15 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS008) and counterstained with hematoxylin (blue). Lower panel shows a lack of labeling if primary antibodies are omitted and tissue is stained only with secondary antibody followed by incubation with detection reagents. View our protocol for [Chromogenic IHC Staining of Frozen Tissue Sections](#).

PREPARATION AND STORAGE

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|--------------------------------|--|
| Reconstitution | Reconstitute at 0.2 mg/mL in sterile PBS. |
| Shipping | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. |
| Stability & Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution. |

BACKGROUND

FABP1, also known as liver FABP (L-FABP, Z-protein and squalene, and sterol-carrier protein [SCP]) is a member of the intracellular FABP family. It is highly expressed in the liver, intestine, kidney, and lung. FABP1 binds free fatty acids, their co-enzyme A derivatives, and may be involved in intracellular lipid transport.