

DESCRIPTION

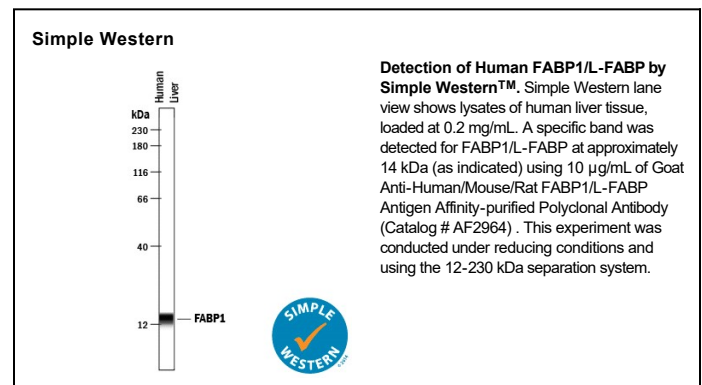
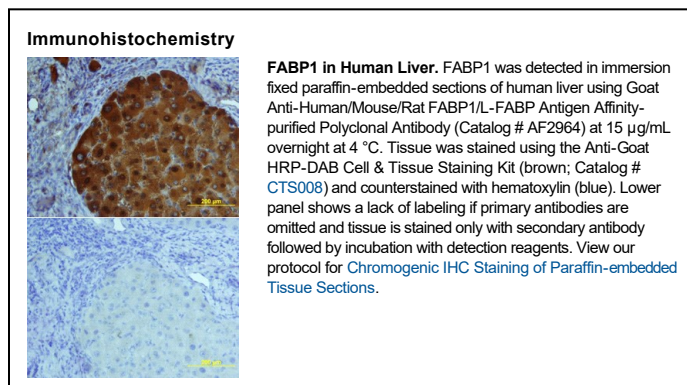
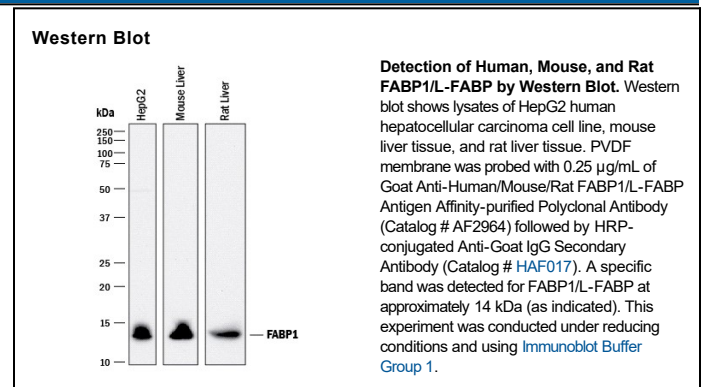
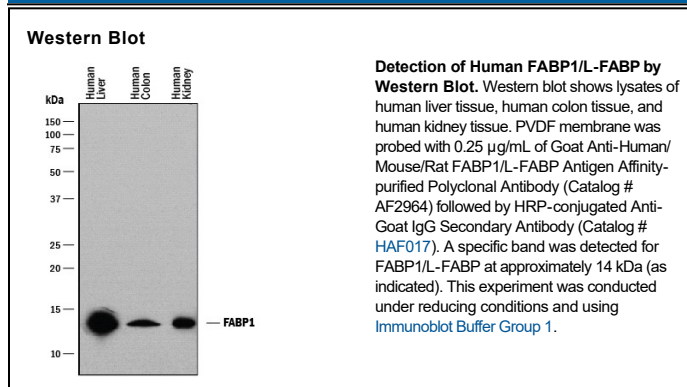
Species Reactivity	Human/Mouse/Rat
Specificity	Detects human FABP1/L-FABP in direct ELISAs and Western blots. In Western blots, less than 5% cross-reactivity with recombinant human FABP2, 3, 4, 5, 7, and recombinant mouse FABP9 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human FABP1/L-FABP Met1-Ile127 Accession # P07148
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

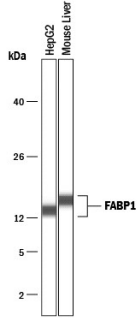
Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	0.25 µg/mL	See Below
Immunohistochemistry	5-15 µg/mL	See Below
Simple Western	5-10 µg/mL	See Below

DATA



Simple Western



Detection of Human and Mouse FABP1/L-FABP by Simple Western™.

Simple Western lane view shows lysates of HepG2 human hepatocellular carcinoma cell line and mouse liver tissue, loaded at 0.2 mg/mL. A specific band was detected for FABP1/L-FABP at approximately 14-16 kDa (as indicated) using 5 µg/mL of Goat Anti-Human/Mouse/Rat FABP1/L-FABP Antigen Affinity-purified Polyclonal Antibody (Catalog # AF2964) followed by 1:50 dilution of HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.

PREPARATION AND STORAGE

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. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <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.