

Human/Mouse/Rat FABP1/L-FABP Antibody

Monoclonal Mouse IgG₁ Clone # 328605

Catalog Number: MAB29641

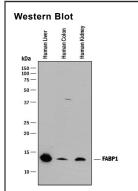
DESCRIPTION			
Species Reactivity	Human/Mouse/Rat		
Specificity	Detects human FABP1/L-FABP in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with rhFABP2, -4, -5, -6, -7, or rmFABP9 is observed.		
Source	Monoclonal Mouse IgG ₁ Clone # 328605		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	E. coli-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

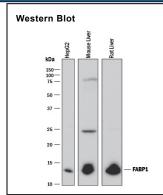
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

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

DATA

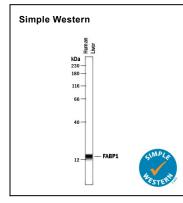


Detection of Human FABP1/L-FABP by Western Blot. Western blot shows lysates of human liver tissue, human colon tissue, and human kidney tissue. PVDF membrane was probed with 0.25 µg/mL of Mouse Anti-Human/Mouse/Rat FABP1/L-FABP Monoclonal Antibody (Catalog # MAB29641) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for FABP1/L-FABP at approximately 14 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

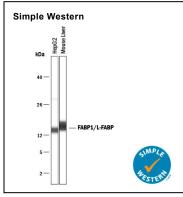


Detection of Human, Mouse, and Rat FABP1/L-FABP by Western Blot.

Western blot shows lysates of HepG2 human hepatocellular carcinoma cell line, mouse liver tissue, and rat liver tissue. PVDF membrane was probed with 0.25 µg/mL of Mouse Anti-Human/Mouse/Rat FABP1/ L-FABP Monoclonal Antibody (Catalog # MAB29641) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for FABP1/L-FABP at approximately 14 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.



Detection of Human FABP1/L-FABP by Simple Western TM. Simple Western lane view shows lysates of human liver tissue, loaded at 0.2 mg/mL. A specific band was detected for FABP1/L-FABP at approximately 14 kDa (as indicated) using 10 µg/mL of Mouse Anti-Human/Mouse/Rat FABP1/L-FABP Monoclonal Antibody (Catalog # MAB29641). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.



Detection of Human and Mouse FABP1/L-FABP by Simple WesternTM. 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 Mouse Anti-Human/Mouse/Rat FABP1/L-FABP Monoclonal Antibody (Catalog # MAB29641). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.5 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

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 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.

BACKGBOUNE

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 and their co-enzyme A derivatives and may be involved in intracellular lipid transport.

Rev. 2/7/2018 Page 1 of 2





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