

Human/Rat FABP1/L-FABP Antibody

Monoclonal Mouse IgG₁ Clone # 965608 Catalog Number: MAB29643

DESCRIPTION			
Species Reactivity	Human/Rat		
Specificity	Detects human and rat FABP1/L-FABP in direct ELISAs and Western blots. In sandwich immunoassays, it is specific for human FABP1/L-FABP.		
Source	Monoclonal Mouse IgG ₁ Clone # 965608		
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.		

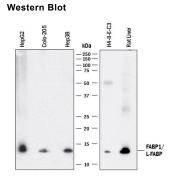
APPLICATIONS

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.

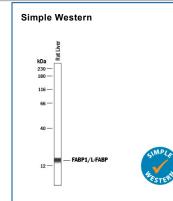
	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below
Simple Western	10 μg/mL	See Below
ELISA	This antibody functions as an ELISA capture antibody for human FABP1/L-FABP when paired with Mouse Anti-	
	Human FABP1/L-F	ABP Monoclonal Antibody (Catalog # MAB29642).

This product is intended for assay development on various assay platforms requiring antibody pairs.

DATA



Detection of Human and Rat FABP1/L-FABP by Western Blot. Western blot shows lysates of HepG2 human hepatocellular carcinoma cell line, COLO 205 human colorectal adenocarcinoma cell line, Hep3B human hepatocellular carcinoma cell line, H4-II-E-C3 rat hepatoma cell line, and rat liver tissue. PVDF membrane was probed with 1 µg/mL of Mouse Anti-Human/Rat FABP1/L-FABP Monoclonal Antibody (Catalog # MAB29643) followed by HRPconjugated 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 Rat FABP1/L-FABP by Simple Western™. Simple Western lane view shows lysates of rat liver tissue, loaded at 0.2 mg/mL. A specific band was detected for FABP1/L-FABP at approximately 16 kDa (as indicated) using 10 µg/mL of Mouse Anti-Human/Rat FABP1/L-FABP Monoclonal Antibody (Catalog # MAB29643). 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

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

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