

DESCRIPTION	
Species Reactivity	Mouse/Rat
Specificity	Detects rat FABP1/L-FABP in direct ELISAs and Western blots. In direct ELISAs and Western blots no cross-reactivity with recombinant rat FABP2, recombinant human FABP3, recombinant mouse (rm) FABP4, or rmFABP5 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 220119
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant rat FABP1/L-FABP Met1-Ile127 Accession # P02692
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method.
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 as a 0.2 µm filtered solution in PBS.

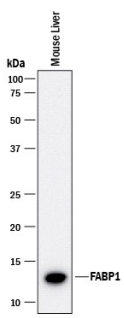
APPLICATIONS

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	2 µg/mL	See Below
Immunohistochemistry	8-25 µg/mL	Perfusion fixed frozen sections of rat liver
Simple Western	10 µg/mL	See Below

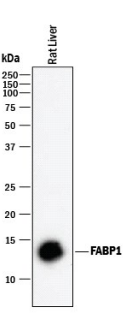
DATA

Western Blot



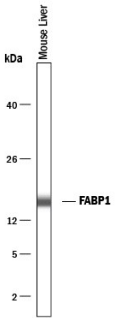
Detection of Mouse FABP1/L-FABP by Western Blot. Western blot shows lysates of mouse liver tissue. PVDF membrane was probed with 2 µg/mL of Mouse Anti-Mouse/Rat FABP1/L-FABP Monoclonal Antibody (Catalog # MAB1565) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for FABP1/L-FABP at approximately 13 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Western Blot




Detection of Rat FABP1/L-FABP by Western Blot. Western blot shows lysate of rat liver tissue. PVDF membrane was probed with 2 µg/mL of Mouse Anti-Mouse/Rat FABP1/L-FABP Monoclonal Antibody (Catalog # MAB1565) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for FABP1/L-FABP at approximately 13 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Simple Western



Detection of Mouse FABP1/L-FABP by Simple Western™. Simple Western lane view shows lysates of mouse 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-Mouse/Rat FABP1/L-FABP Monoclonal Antibody (Catalog # MAB1565). 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. <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 predominantly 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.