

DESCRIPTION

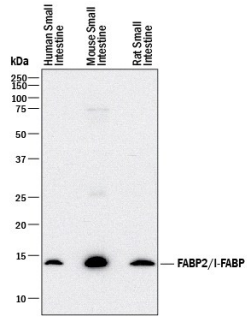
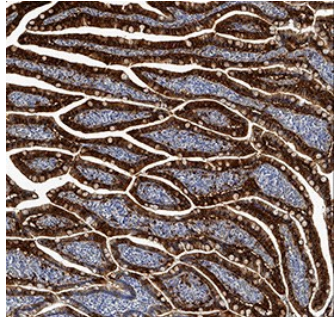
Species Reactivity	Human/Mouse/Rat
Specificity	Detects human FABP2/I-FABP in direct ELISAs. Detects human, mouse, and rat FABP2/I-FABP in Western blots.
Source	Monoclonal Mouse IgG _{2A} Clone # 989821
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human FABP2/I-FABP Met1-Asp132 Accession # P12104
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	0.5 µg/mL	See Below
Immunohistochemistry	5-25 µg/mL	See Below

DATA

<p>Western Blot</p> 	<p>Detection of Human, Mouse, and Rat FABP2/I-FABP by Western Blot. Western blot shows lysates of human small intestine tissue, mouse small intestine tissue, and rat small intestine tissue. PVDF membrane was probed with 0.5 µg/mL of Mouse Anti-Human/Mouse/Rat FABP2/I-FABP Monoclonal Antibody (Catalog # MAB30782) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for FABP2/I-FABP at approximately 15 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.</p>	<p>Immunohistochemistry</p>  <p>FABP2/I-FABP in Human Small Intestine. FABP2/I-FABP was detected in immersion fixed paraffin-embedded sections of human small intestine using Mouse Anti-Human/Mouse/Rat FABP2/I-FABP Monoclonal Antibody (Catalog # MAB30782) at 5 µg/mL for 1 hour at room temperature followed by incubation with the Anti-Mouse IgG VisUCyte™ HRP Polymer Antibody (Catalog # VC001). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm in epithelial cells. View our protocol for IHC Staining with VisUCyte HRP Polymer Detection Reagents.</p>
---	--	--

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

Intestinal Fatty Acid Binding Protein (FABP2), also known as I-FABP or gFABP is a member of the fatty acid binding protein family of intracellular proteins. FABP2 is only expressed in intestine, and it mediates the absorption and intracellular transport of dietary long-chain fatty acids. Genetic variation of FABP2 is implicated in obesity and Type II diabetes.