

DESCRIPTION

Species Reactivity	Rat
Specificity	Detects rat FABP2/I-FABP in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 5% cross-reactivity with recombinant rat FABP1, recombinant human FABP3, recombinant mouse (rm) FABP4, and rmFABP5 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant rat FABP2/I-FABP Met1-Glu132 Accession # P02693
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

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	0.1 µg/mL	Recombinant Rat FABP2
Immunohistochemistry	5-15 µg/mL	Caco-2 human colorectal adenocarcinoma cell line

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.
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

FABP2, also named I-FABP and gFABP, is a member of the intracellular fatty acid binding protein family. It is highly expressed in the intestine. FABP2 binds fatty acid in a non-covalent 1:1 complex to chaperone the lipids to cellular enzymes for metabolism and signal transduction.