

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FABP6 in Western blots. In Western blots, less than 1% cross-reactivity with recombinant human FABP1, 2, 3, 4, 5, 7, and recombinant mouse FABP9 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human FABP6 Ala2-Ala128 Accession # P51161
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. 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 Human FABP6
Immunocytochemistry	5-15 µg/mL	Immersion fixed T84 human colon carcinoma 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

Fatty acid binding protein-6 (FABP6), also known as ileal bile acid binding protein (I-BABP) and gastrotropin, is a 15 kDa cytoplasmic protein that belongs to the FABP family. It is expressed in ileal epithelium and multiple other tissues. Alternate transcription promoters generate two transcript variants, encoding a 128 aa and a 177 aa residue protein. Human FABP6 isoform 2 contains 128 amino acid residues and is believed to be acetylated on Ala2. It binds both fatty acids and bile acids and has roles in fatty acid transport and metabolism. The amino acid sequence of human FABP6 is 80%, 78%, and 75% aa identical to that of mouse, canine, and porcine FABP6, respectively.