

DESCRIPTION

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| Species Reactivity | Human |
| Specificity | Detects human FABP6 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 5% cross-reactivity with recombinant human (rh) FABP1, rhFABP2, rhFABP3, rhFABP4, rhFABP5, rhFABP7, 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 Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS. |

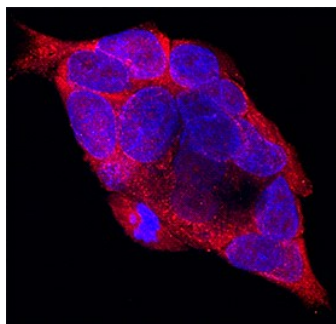
APPLICATIONS

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 | 0.1 µg/mL | Recombinant Human FABP6 |
| Immunocytochemistry | 5-15 µg/mL | See Below |

DATA

Immunocytochemistry



FABP6 in T84 Human Cell Line. FABP6 was detected in immersion fixed T84 human colon carcinoma cell line using Goat Anti-Human FABP6 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3880) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Goat IgG Secondary Antibody (red; Catalog # NL001) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

PREPARATION AND STORAGE

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|--------------------------------|--|
| 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. *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

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.