

Anti-FABP6 Antibody

Rabbit polyclonal antibody to FABP6
Catalog # AP93283

Product Information

Application	WB, IF/IC
Primary Accession	P51161
Other Accession	P51162
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14371

Additional Information

Gene ID	2172
Other Names	ILBP; ILLBP; Gastrotropin; GT; Fatty acid-binding protein 6; Ileal lipid-binding protein; ILBP; Intestinal 15 kDa protein; I-15P; Intestinal bile acid-binding protein; I-BABP
Target/Specificity	Recognizes endogenous levels of FABP6 protein.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C. Stable for 12 months from date of receipt

Protein Information

Name	FABP6
Synonyms	ILBP, ILLBP
Function	Binds to bile acids and is involved in enterohepatic bile acid metabolism. Required for efficient apical to basolateral transport of conjugated bile acids in ileal enterocytes (By similarity). In vitro binds to bile acids in the order: deoxycholic acid > cholic acid > chenodeoxycholic acid and respective BA conjugation modifies affinities in the order taurine-conjugated > glycine-conjugated > unconjugated bile acids. Stimulates gastric acid and pepsinogen secretion (By similarity).
Cellular Location	[Isoform 1]: Cytoplasm {ECO:0000250 UniProtKB:P80020}, Membrane; Peripheral membrane protein {ECO:0000250 UniProtKB:P50119}; Cytoplasmic side {ECO:0000250 UniProtKB:P50119}

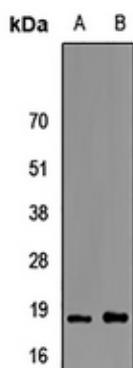
Tissue Location

Isoform 1 is expressed in the jejunum, ileum, cecum and ascending colon intestine. Isoform 2 is expressed in the gallbladder, duodenum, jejunum, ileum, cecum, ascending, transverse and descending colon, sigmoid colon and rectum. Isoform 2 is expressed in colorectal adenocarcinomas and their adjacent normal mucosa (at protein level).

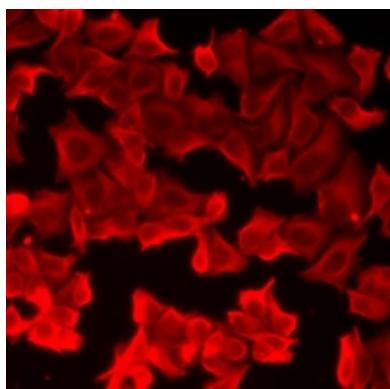
Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human FABP6. The exact sequence is proprietary.

Images



Western blot analysis of FABP6 expression in MCF7 (A), A375 (B) whole cell lysates.



Immunofluorescent analysis of FABP6 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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