10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-FABP6 Antibody
Catalog # ABO11469

Specification

Anti-FABP6 Antibody - Product Information

Application	**IHC, WB**
Primary Accession	P51161
Host	**Rabbit**
Reactivity	**Human**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for Gastrotropin(FABP6) detection. Tested with WB, IHC-P in Human.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-FABP6 Antibody - Additional Information

Gene ID 2172

Other Names
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, FABP6, ILBP, ILLBP

Calculated MW
14371 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Isoform 1: Cytoplasm.

Tissue Specificity
Isoform 2 is expressed in colorectal adenocarcinomas and their adjacent normal mucosa (at protein level). 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. .

Protein Name
Gastrotropin

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminus of human FABP6(15-33aa YDEFMKLLGISSDVIEKAR).

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage	**At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.**

Sequence Similarities
Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.

Anti-FABP6 Antibody - 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 xpressed 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).

Anti-FABP6 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-FABP6 Antibody - Images

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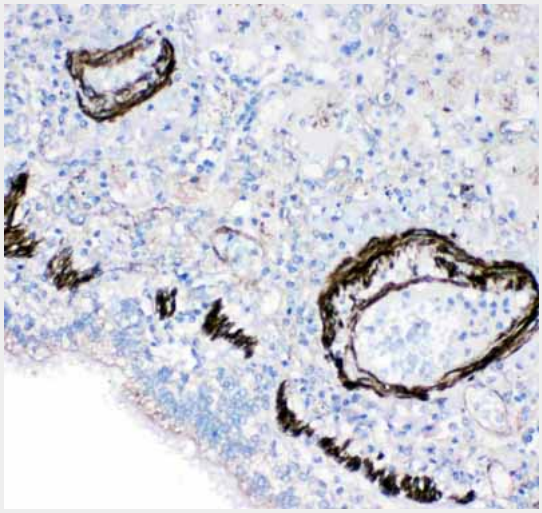
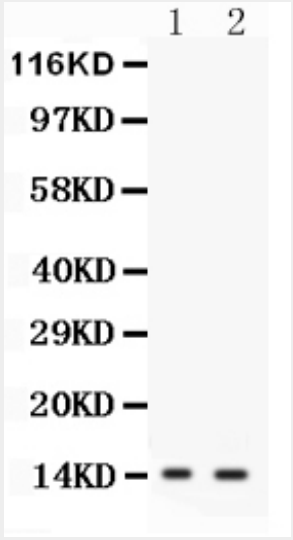


Anti-FABP6 antibody, ABO11469, IHC(P)IHC(P): Human Lung Cancer Tissue



Anti-FABP6 antibody, ABO11469, Western blottingAll lanes: Anti FABP6 (ABO11469) at 0.5ug/mlLane 1: COLO320 Whole Cell Lysate at 40ugLane 2: SW620 Whole Cell Lysate at 40ugPredicted bind size: 14KDObserved bind size: 14KD

Anti-FABP6 Antibody - Background

Fatty acid binding protein 6, ileal, also called FABP6 or ILBP is a protein which in humans is encoded by the FABP6 gene. Ileal lipid-binding protein(ILBP) is a member of a family of intracellular fatty acid, retinoid, and bile acid-binding proteins. This gene is mapped to 5q33.3. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABP6 and FABP1(the liver fatty acid binding protein) are also able to bind bile acids. It is though that FABPs roles include fatty acid uptake, transport, and metabolism.