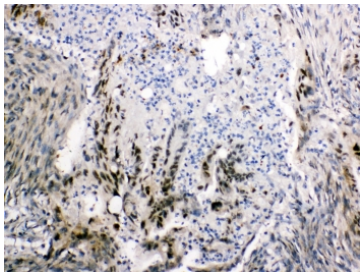
FABP2 Antibody (intestinal) (R32737)

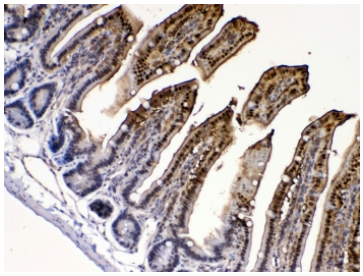
Catalog No.	Formulation	Size
R32737	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

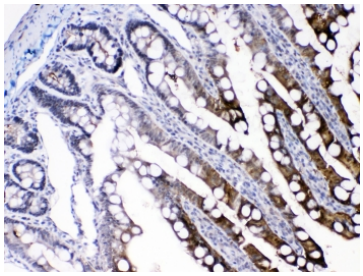
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P55050
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 1-2ug/ml
Limitations	This FABP2 antibody is available for research use only.



IHC testing of FFPE human intestinal cancer tissue with FABP2 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE mouse intestine tissue with FABP2 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



IHC testing of FFPE rat intestine tissue with FABP2 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

Western blot testing of mouse intestine tissue lysate with FABP2 antibody at 0.5ug/ml. Predicted molecular weight ~15 kDa.

Description

FABP 2 (Fatty acid-binding protein 2) is a protein that in humans is encoded by the FABP2 gene. Using a human cDNA probe, the gene is assigned to chromosome 4 in somatic cell hybrids. FABP 2 gene contains four exons and is an abundant cytosolic protein in small intestine epithelial cells. The FABPs belong to a multigene family with nearly twenty identified members. And FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15 kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. Also, they may be responsible in the modulation of cell growth and proliferation.

Researchers seeking a broadly validated FABP2 antibody for intestinal epithelial biology and lipid absorption studies may also be interested in our HuProt-validated FABP2 antibody clone FABP2/6344, supported by western blot, immunohistochemistry, and protein microarray specificity data.

Application Notes

Optimal dilution of the FABP2 antibody should be determined by the researcher.

Immunogen

Amino acids A2-E132 from the mouse protein were used as the immunogen for the FABP2 antibody.

Storage

After reconstitution, the FABP2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.