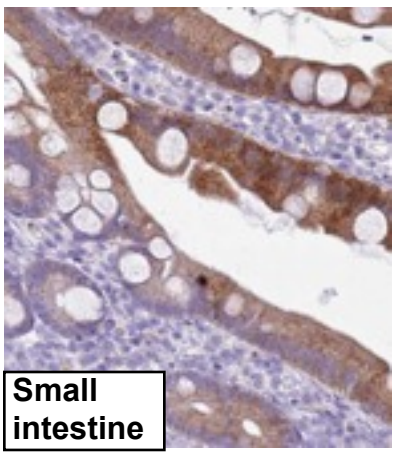
FABP2-1

Uniprot ID: P12104
Protein name: FABPI_HUMAN
Full name: Fatty acid-binding protein, intestinal
Protein existence: evidence at protein level
Function: FABP are thought to play a role in the intracellular transport of long-chain fatty acids and their acyl-CoA esters. FABP2 is probably involved in triglyceride-rich lipoprotein synthesis. Binds saturated long-chain fatty acids with a high affinity, but binds with a lower affinity to unsaturated long-chain fatty acids. FABP2 may also help maintain energy homeostasis by functioning as a lipid sensor.
Subcellular location: Cytoplasm.
Tissue specificity: Expressed in the small intestine and at much lower levels in the large intestine. Highest expression levels in the jejunum.

Two antibodies: FABP2-1 and FABP2-2 were tested. Both antibodies were approved for IHC. FABP2-1 was selected for full protein profiling .

FABP2-1 (CAB047325) OK

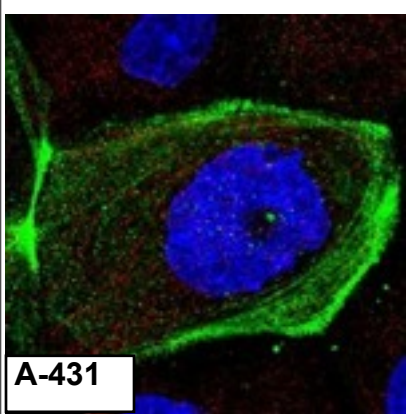


Immunohistochemistry

IHC protocol: HIER pH 6, Dilution 1:200
IHC test staining: Cytoplasmic staining of small intestine.

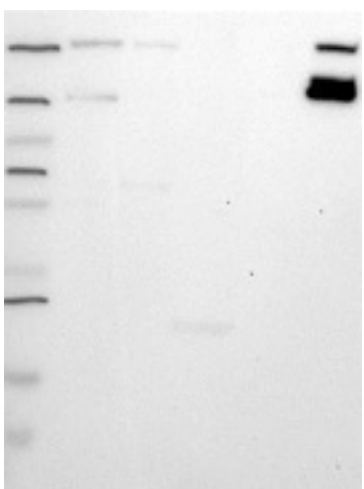
IHC Annotators comments

Small intestine displayed strong cytoplasmic and nuclear staining. Remaining normal tissues were mainly negative



Immunofluorescence

IF Overlay: antibody (green), anti-tubuline (red) and DAPI (blue)
IF Localization: Staining of cytoskeleton (actin filaments) in A-431 and U-2 OS.
IF Validation: The subcellular location is supported by literature.



Western blot

WB Size markers (kDa): 250, 130, 95, 72, 55, 36, 28, 17, 11
WB Lanes: Marker(1), RT-4(2), U251 MG(3), Plasma(4), Liver(5), Tonsil(6)
WB Target weight (kDa): 15
WB Validation: Not supportive (Only bands not corresponding to the predicted size)