

Uniprot ID: [P12104](#)

FABP2-2

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 .

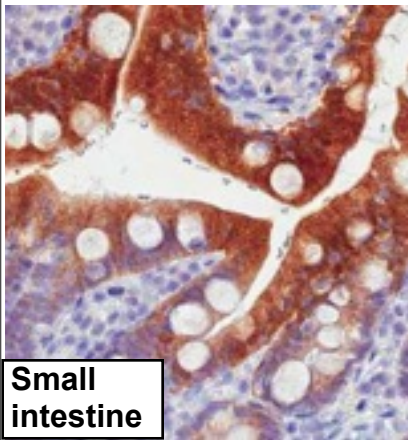
FABP2-2(CAB047326)

OK

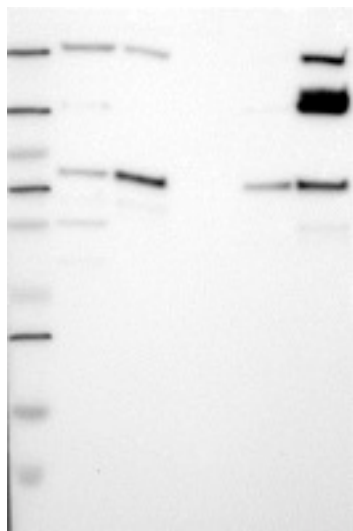
Immunohistochemistry

IHC protocol: HIER pH 6, Dilution 1:500

IHC test staining: Cytoplasmic staining, strong in small intestine and weaker in some other tissues.



Small intestine



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)