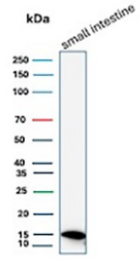
I-FABP Antibody / FABP2 [clone FABP2/7670] (V5059)

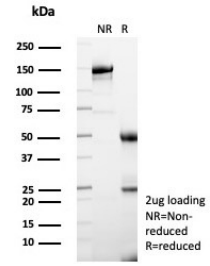
Catalog No.	Formulation	Size
V5059-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5059-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5059SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

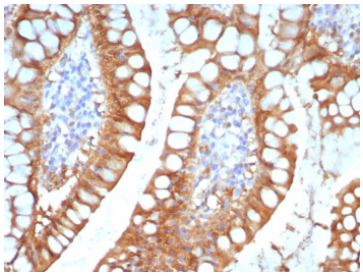
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG
Clone Name	FABP2/7670
Purity	Protein A/G affinity
UniProt	P12104
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Western Blot : 2-4ug/ml
Limitations	This I-FABP antibody is available for research use only.



I-FABP Antibody Small Intestine WB. Western blot analysis of human small intestine tissue lysate using I-FABP antibody clone FABP2/7670. A band is detected at approximately 15 kDa, consistent with the predicted molecular weight of Intestinal fatty acid-binding protein / FABP2, a cytoplasmic lipid transport protein enriched in intestinal epithelial cells.



SDS-PAGE analysis of purified, BSA-free I-FABP antibody (clone FABP2/7670) as confirmation of integrity and purity.



I-FABP Antibody Small Intestine IHC. Immunohistochemistry staining of FFPE human small intestine tissue with I-FABP antibody (clone FABP2/7670). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

I-FABP Antibody specifically detects Intestinal Fatty Acid Binding Protein. The intracellular fatty acid-binding proteins (FABPs) belong to a multigene family with nearly twenty identified members. FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. They may also be responsible in the modulation of cell growth and proliferation. Intestinal fatty acid-binding protein 2 gene contains four exons and is an abundant cytosolic protein in small intestine epithelial cells. This gene has a polymorphism at codon 54 that identified an alanine-encoding allele and a threonine-encoding allele. Thr-54 protein is associated with increased fat oxidation and insulin resistance.

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 I-FABP antibody should be determined by the researcher.

Immunogen

Recombinant full length human FABP2 protein was used as the immunogen for the I-FABP antibody.

Storage

Aliquot the I-FABP antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Alternate Names

FABP2 antibody, Fatty Acid Binding Protein 2 antibody