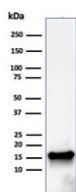


## FABP5 Antibody [clone FABP5/3750] (V7766)

Catalog No.	Formulation	Size
V7766-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7766-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7766SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2a, kappa
<b>Clone Name</b>	FABP5/3750
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	Q01469
<b>Localization</b>	Nuclear, cytoplasmic
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml Western Blot : 1-2ug/ml
<b>Limitations</b>	This FABP5 antibody is available for research use only.

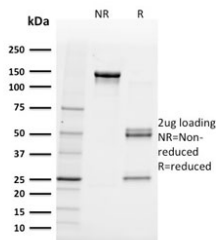


Western blot testing of human HeLa cell lysate with FABP5 antibody. Predicted molecular weight ~15 kDa.

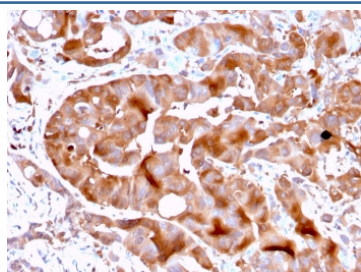
#### Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using FABP5 antibody (clone FABP5/3750). These results demonstrate the foremost specificity of the FABP5/3750 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free FABP5 antibody (clone FABP5/3750) as confirmation of integrity and purity.



IHC testing of FFPE human liver with FABP5 antibody. HIER: boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool prior to staining.

## Description

This gene encodes the fatty acid binding protein found in epidermal cells, and was first identified as being upregulated in psoriasis tissue. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABPs may play roles in fatty acid uptake, transport, and metabolism. Polymorphisms in this gene are associated with type 2 diabetes. The human genome contains many pseudogenes similar to this locus. FABP5 is also associated with poor survival in triple-negative breast cancer. Additionally, FABP5 gene is upregulated in colorectal cancer cells compared to normal colon cells in a manner that correlates with disease stage and that FABP5 significantly promotes colorectal cancer cell growth and metastatic potential.

## Application Notes

Optimal dilution of the FABP5 antibody should be determined by the researcher.

## Immunogen

Recombinant full length human protein was used as the immunogen for the FABP5 antibody.

## Storage

Store the FABP5 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

