

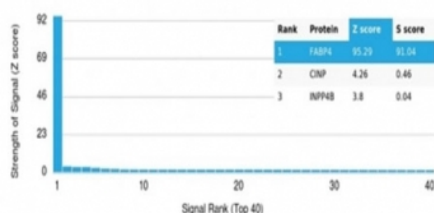
## FABP4 Antibody [clone FABP4/4424] (V9627)

Catalog No.	Formulation	Size
V9627-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9627-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9627SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

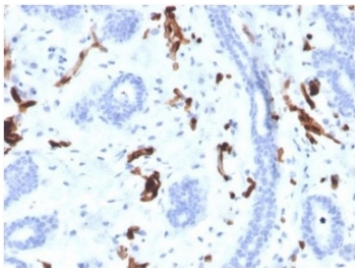
[Bulk quote request](#)

<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 IgG1, kappa
<b>Clone Name</b>	FABP4/4424
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P15090
<b>Localization</b>	Cytoplasm, Nucleus
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml
<b>Limitations</b>	This FABP4 antibody is available for research use only.

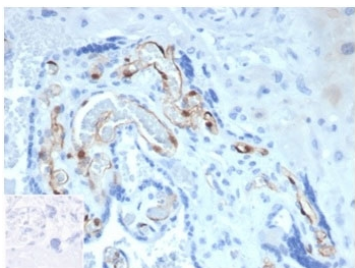
Human Protein Microarray Specificity Validation



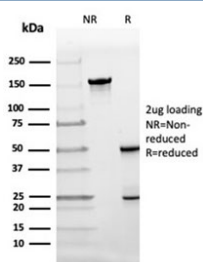
Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using FABP4 antibody (clone FABP4/4424). These results demonstrate the foremost specificity of the FABP4/4424 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination 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.



IHC staining of FFPE human breast carcinoma tissue with FABP4 antibody (clone FABP4/4424) at 2ug/ml in PBS for 30min RT. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human placental tissue with FABP4 antibody (clone FABP4/4424) at 2ug/ml. Negative control inset: PBS instead of primary antibody to control for secondary binding. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free FABP4 antibody (clone FABP4/4424) as confirmation of integrity and purity.

## Description

Fatty acid-binding proteins, designated FABPs, are a family of homologous, cytoplasmic proteins that are expressed in a highly tissue-specific manner and play an integral role in the balance between lipid and carbohydrate metabolism.

## Application Notes

Optimal dilution of the FABP4 antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 1-132 was used as the immunogen for the FABP4 antibody.

## Storage

Aliquot the FABP4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.