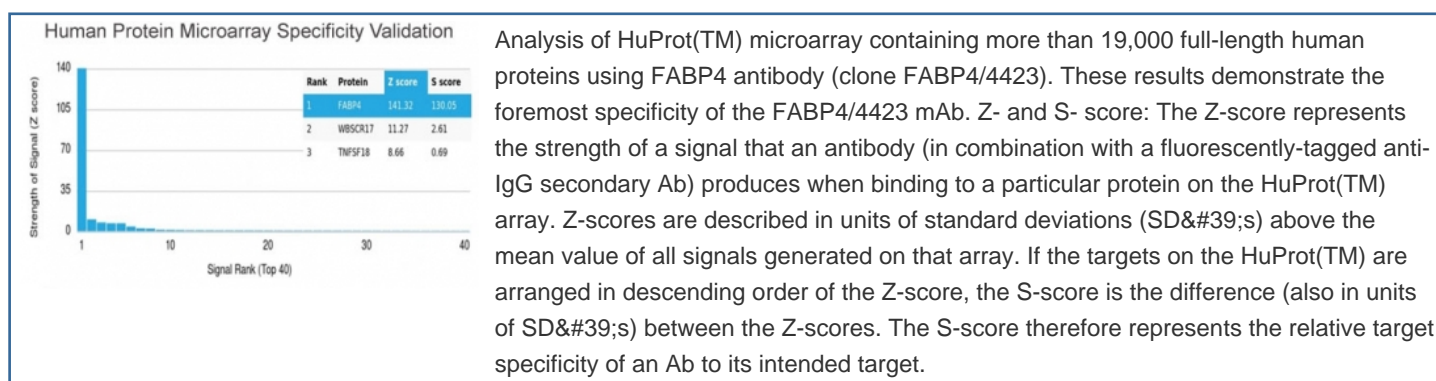


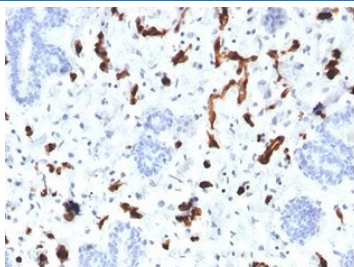
FABP4 Antibody / Fatty Acid Binding Protein 4 [clone FABP4/4423] (V9494)

Catalog No.	Formulation	Size
V9494-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9494-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9494SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

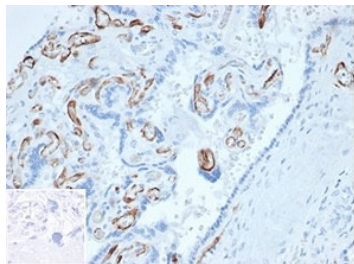
[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	FABP4/4423
Purity	Protein A/G affinity
UniProt	P15090
Localization	Cytoplasm, Nucleus
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This FABP4 antibody is available for research use only.





IHC staining of FFPE human placental tissue with FABP4 antibody (clone FABP4/4423).
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 FABP4/4423) 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.

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. FABPs mediate fatty acid (FA) and/or hydrophobic ligand uptake, transport and targeting within their respective tissues. The mechanisms underlying these actions can give rise to both passive diffusional uptake and protein-mediated transmembrane transport of FAs. FABPs are expressed in adipocytes (A-FABP), brain (B-FABP), epidermis (E-FABP, also designated psoriasis-associated FABP or PA-FABP), muscle and heart (H-FABP, also designated mammary-derived growth inhibitor or MDGI), intestine (I-FABP), liver (L-FABP), myelin (M-FABP) and testis (T-FABP). The human A-FABP gene is organized into 4 exons, maps to chromosome 8q21.13, and encodes a 132 amino acid protein. A-FABP protein comprises approximately 1% of the total cytosolic protein in human adipose tissue.

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.