

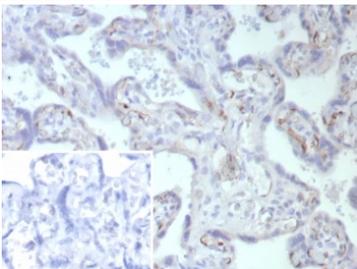
## Fatty Acid Binding Protein 4 Antibody / FABP4 [clone FABP4/9086R] (V5488)

Catalog No.	Formulation	Size
V5488-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5488-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5488SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

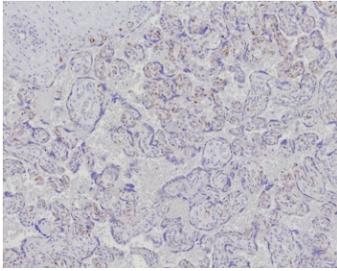
Recombinant **RABBIT MONOCLONAL**

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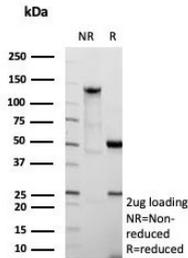
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Recombinant Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG, kappa
<b>Clone Name</b>	FABP4/9086R
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P15090
<b>Localization</b>	Cytoplasm, Nucleus
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml
<b>Limitations</b>	This Fatty Acid Binding Protein 4 antibody is available for research use only.



IHC staining of FFPE human placental tissue with Fatty Acid Binding Protein 4 antibody (clone FABP4/9086R). Inset: PBS used in place of primary Ab (secondary Ab negative control). 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 Fatty Acid Binding Protein 4 antibody (clone FABP4/9086R). 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 Fatty Acid Binding Protein 4 antibody (clone FABP4/9086R) 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. 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 Fatty Acid Binding Protein 4 antibody should be determined by the researcher.

## Immunogen

A recombinant fragment (within amino acids 1-132) of human FABP4 protein was used as the immunogen for the Fatty Acid Binding Protein 4 antibody.

## Storage

Aliquot the Fatty Acid Binding Protein 4 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.