

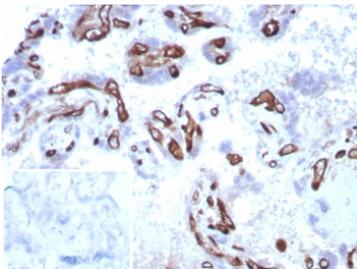
Fatty Acid Binding Protein 4 Antibody / FABP4 [clone FABP4/8537R] (V5249)

| Catalog No. | Formulation | Size |
|----------------|---|--------|
| V5249-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5249-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V5249SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

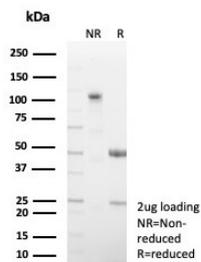
Recombinant **RABBIT MONOCLONAL**

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| | |
|---------------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Host | Rabbit |
| Clonality | Recombinant Rabbit Monoclonal |
| Isotype | Rabbit IgG, kappa |
| Clone Name | FABP4/8537R |
| Purity | Protein A/G affinity |
| UniProt | P15090 |
| Localization | Cytoplasm, Nucleus |
| Applications | Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT |
| Limitations | 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 FABP4/8537R) at 2ug/ml. 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.



SDS-PAGE analysis of purified, BSA-free Fatty Acid Binding Protein 4 antibody (clone FABP4/8537R) 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 partial protein sequence (within amino acids 1-132) from the human 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.