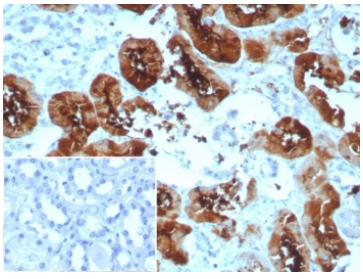
Recombinant FABP1 Antibody / Fatty Acid Binding Protein 1 [clone rFABP1/8520] (V4873)

Catalog No.	Formulation	Size
V4873-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4873-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4873SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

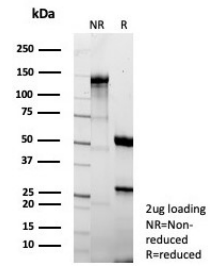
Recombinant | MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rFABP1/8520
Purity	Protein A/G affinity
UniProt	P07148
Localization	Cytoplasm, Nucleus
Applications	Western Blot : 2-4ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This recombinant FABP1 antibody is available for research use only.



IHC staining of FFPE human kidney tissue with recombinant FABP1 antibody (clone rFABP1/8520). 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 recombinant FABP1 antibody (clone rFABP1/8520) 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), epithelium (E-FABP, psoriasis-associated FABP, PA-FABP), striated muscle and heart (H-FABP, mammary-derived growth inhibitor or MDGI), intestine (I-FABP), liver (L-FABP or FABP1), myelin (M-FABP) and testis (T-FABP). FABP1 (L-FABP) expression is modulated by developmental, hormonal, dietary and pharmacological factors, and is required for cholesterol synthesis and metabolism.

Application Notes

Optimal dilution of the recombinant FABP1 antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 1-127) from the human protein was used as the immunogen for the recombinant FABP1 antibody.

Storage

Aliquot the recombinant FABP1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com