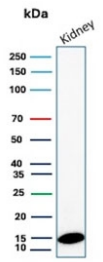
FABP1 Antibody [clone FABP1/4518] (V5693)

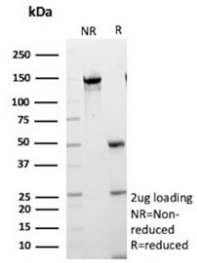
Catalog No.	Formulation	Size
V5693-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5693-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5693SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2, kappa
Clone Name	FABP1/4518
Purity	Protein G affinity
UniProt	P07148
Localization	Cytoplasm
Applications	Western Blot : 2-4ug/ml
Limitations	This FABP1 antibody is available for research use only.



Western blot testing of human kidney tissue lysate with FABP1 antibody (clone FABP1/4518). Predicted molecular weight ~15 kDa.



SDS-PAGE analysis of purified, BSA-free FABP1 antibody (clone FABP1/4518) 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 FABP1 antibody should be determined by the researcher.

Immunogen

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

Storage

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