

## Anti-FABP1 Antibody [FABP1/3940] (A277591)

### Specifications:

Name:	Anti-FABP1 Antibody [FABP1/3940]
Description:	Mouse monoclonal [FABP1/3940] antibody to FABP1.
Specificity:	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.
Applications:	WB, IHC-P
Recommended Dilutions:	WB: 2-4 µg/ml, IHC-P: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant fragment, around amino acids 1-127, of human FABP3 protein. The exact sequence is proprietary.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	FABP1/3940
Isotype:	IgG2b
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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## Specifications continued:

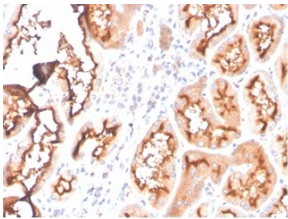
**General Notes:**

This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-FABP1 Antibody [FABP1/3940] - BSA and Azide free (A278179).

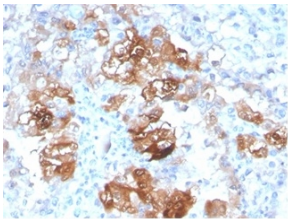
**Disclaimer:**

This product is for research use only. It is not intended for diagnostic or therapeutic use.

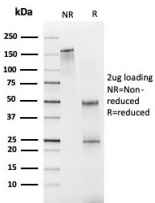
## Images:



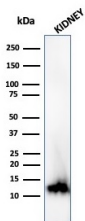
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human kidney tissue using Anti-FABP1 Antibody [FABP1/3940].



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SDS-PAGE analysis of Anti-FABP1 Antibody [FABP1/3940] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.



Western blot analysis of human kidney tissue lysate using Anti-FABP1 Antibody [FABP1/3940].