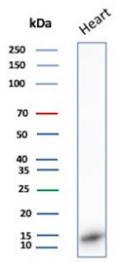
FABP3 Antibody / Cardiac Fatty Acid Binding Protein [clone FABP3/8443] (V4871)

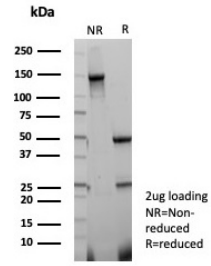
Catalog No.	Formulation	Size
V4871-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4871-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4871SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

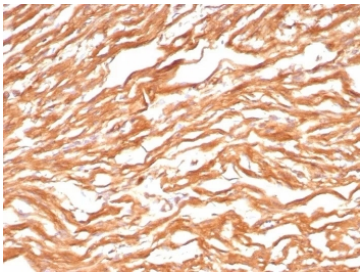
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	FABP3/8443
Purity	Protein A/G affinity
UniProt	P05413
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT Western blot: 2-4ug/ml
Limitations	This FABP3 antibody is available for research use only.



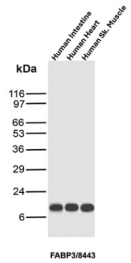
FABP3 Antibody Cardiac Tissue WB. Western blot testing of human heart tissue lysate with FABP3 antibody. Predicted molecular weight ~14 kDa.



SDS-PAGE analysis of purified, BSA-free FABP3 antibody (clone FABP3/8443) as confirmation of integrity and purity.



FABP3 Antibody Cardiac Tissue IHC. Immunohistochemistry staining of FFPE human heart tissue with FABP3 antibody (clone FABP3/8443). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



FABP3 Antibody Tissue WB. Western blot analysis of human intestine, human heart, and human skeletal muscle tissue lysates using FABP3 antibody clone FABP3/8443. A prominent band is detected at approximately 15 kDa in all tested samples, consistent with the predicted molecular weight of Fatty acid-binding protein 3 / FABP3. The strong signal observed in heart and skeletal muscle lysates aligns with the established role of FABP3 in intracellular fatty acid transport and energy metabolism within highly oxidative muscle tissues.

Description

The intracellular fatty acid-binding proteins (FABPs) belongs to a multigene family. FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15 kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. They may also be responsible in the modulation of cell growth and proliferation. Fatty acid-binding protein 3 gene contains four exons and its function is to arrest growth of mammary epithelial cells. This gene is a candidate tumor suppressor gene for human breast cancer. Alternative splicing results in multiple transcript variants.

Explore our FABP3 Antibody page for additional western blot, immunohistochemistry, and microarray specificity validation data supporting studies of myocardial lipid transport and oxidative metabolism.

Application Notes

Optimal dilution of the FABP3 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 FABP3 antibody.

Storage

Aliquot the FABP3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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