Fatty acid-binding protein, heart Polyclonal Antibody

Catalog No: #42492

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Description

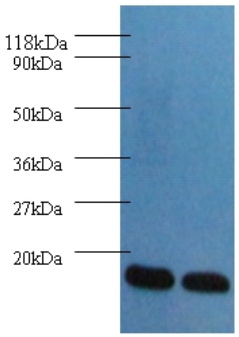
Product Name	Fatty acid-binding protein, heart Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total Fatty acid-binding protein, heart polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Fatty acid-binding protein, heart protein
Target Name	Fatty acid-binding protein, heart
Other Names	Fatty acid-binding protein 3, Heart-type fatty acid-binding protein, H-FABP, Mammary-derived growth inhibitor, MDGI, Muscle fatty acid-binding protein, M-FABP, FABP3, FABP11, MDGI
Accession No.	Swiss-Prot#: P05413
Uniprot	P05413
GeneID	2170;
Calculated MW	15kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

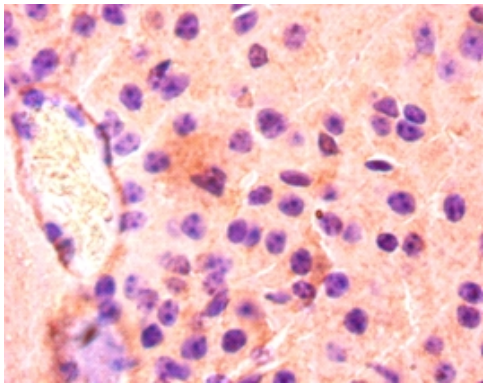
Western blotting: 1:500 - 1:1000

Immunohistochemistry: 1:20 - 1:200

Images



All lanes : FABP3 Antibody at dilution of 1:1000
Lane 1 : Rat heart tissue
Lane 2 : Mouse heart tissue
SecondaryGoat polyclonal to Rabbit IgG at 1/15000 dilution
Predicted band size : 15 kDa Observed band size: 15 kDa



Immunohistochemical analysis of paraffin-embedded mouseB kidney using #42492 at dilution of 1:50.

Background

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. FABP3 gene is a candidate tumor suppressor gene for human breast cancer.

References

[1] Manabe K, Kamihata H, Motohiro M, Senoo T, Yoshida S, Iwasaka T.Urinary liver-type fatty acid-binding protein level as a predictive biomarker of contrast-induced acute kidney injury. Eur J Clin Invest. 2011 Oct 17. doi: 10.1111/j.1365-2362. [2] Dinh

Note: This product is for in vitro research use only