

Rabbit anti-human Fatty acid binding protein 3 (FABP3) polyclonal antibody

Catalog Number: R15007P



General Information

Immunogen	Full length native human FABP3 protein
IgG type	Rabbit IgG
Clonality	Polyclonal
Applications	WB, ELISA
Pairing antibody	Not available
Specificity	Human FABP3
Formulation	0.22 µM filtered solution of PBS, 0.09% NaN ₃ , pH 7.4
Purity	> 95% determined by SDS-PAGE
Storage	≤ -20 °C for 1 year or 4 °C for 3 months

Abbreviations:

ELISA: Enzyme-linked immunosorbent assay; ITA: immunoturbidimetric assay; IP: immunoprecipitation; IHC: immuno-histochemistry; IF: immunofluorescence. WB: western blot;

Preparation

Monoclonal antibody is produced by immunizing rabbit with full length native human FABP3 and purified using protein A resin.

Application

Western blot

72 KD -
56 KD -
40 KD -
33 KD -
24 KD -

17 KD -

10 KD -

Western blot conditions

Lanes: recombinant human FABP3 protein at 10 ng (left lane) and 25 ng (right lane) per lane.
pAb concentration: 1 µg/ml
Blocking and antibody dilution buffer is 5% skim milk (w/v), 1x TBS, 0.05% Tween-20.

Storage

This antibody is shipped at 4 °C. This product is stable for 12 months from date of receipt when stored at -20 °C to -70 °C. Avoid freeze/thaw cycles.

Hazard/Biohazard

This antibody contains 0.09% sodium azide as preservative. Please handle and dispose the product properly. No known biohazard is associated with this product.

Background

Fatty Acid Binding Protein 3 (FABP3) is a 15 KD cytoplasmic protein predominantly expressed in heart, skeletal muscle, brain, and mammary gland. FABP3 transports fatty acids to mitochondria for further oxidation and modulates cell growth and proliferation.

FABP3 is quickly released from cardiac myocytes following myocardial ischemia and infarction, detectable in the serum within one to three hours of chest pain. As a result, FABP3 is a sensitive biomarker for myocardial infarction. Recently, FABP3 was found as a candidate tumor suppressor for human breast cancer by arresting cell growth.

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