

DESCRIPTION

Species Reactivity	Mouse/Rat
Specificity	Detects mouse FABP4 in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant mouse (rm) FABP5 and rmFABP9 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse FABP4 Met1-Ala132 Accession # P04117
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

FABP-4 (fatty acid binding protein-4; also Adipocyte-type FABP, ALBP and aP2) is a 14-15 kDa member of the fatty acid binding protein family, calycin superfamily of molecules. It is expressed by adipocytes, macrophages, monocyte-derived DC and myoepithelial cells, and is known to serve as a carrier for select PPAR γ fatty acid ligands as they enter the nucleus. These ligands, or fatty acids, facilitate PPAR γ -mediated gene transcription. Mouse FABP-4 is 132 amino acids (aa) in length. It is a two β -sheet molecule that contains an NLS (aa 22-32) and a fatty acid binding segment (aa 127-129). Mouse FABP-4 is 94% and 92% aa identical to rat and human FABP-4, respectively.

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