Human/Mouse/Rat FABP1/L-FABP Alexa Fluor® 532-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF7009X
100 µg

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat FABP1/L-FABP in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	E. coli-derived recombinant mouse FABP1/L-FABP Met1-Ile127 Accession # P12710
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 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.
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

FABP1 (fatty acid binding protein-1; also Liver-type fatty acid binding protein/L-FABP and 14 kDa Selenium-binding protein) is a 14-15 kDa intracellular member of the fatty acid binding protein family, calycin superfamily of molecules. It is expressed by intestinal epithelium and hepatocytes, and is known to bind both cholesterol and long-chain fatty acids in the cytosol. As fatty acids diffuse across the plasma membrane, they are sequestered by FABP1, facilitating fatty acid diffusion into the cell. FABP1 also binds bile acids and cholesterol, and transports cholesterol from one membrane compartment to another. Mouse FABP1 is 127 amino acids (aa) in length. It is a two β-sheet molecule that contains an acetylated initiating methionine. Full-length mouse FABP1 shares 94% and 84% aa identity with rat and human FABP1, respectively.

PRODUCT SPECIFIC NOTICES

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