

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FABP9 in direct ELISAs and Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant mouse FABP9 and less than 1% cross-reactivity with recombinant human FABP1, 2, 3, 4, 5, 6, 7, and 8 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human FABP9 Met1-Val132 Accession # Q0Z7S8
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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

FABP9 (fatty acid binding protein-9; also T-FABP and PERF15) is a cytosolic 15 kDa member of the fatty acid binding protein family, calycin superfamily of proteins. It is found in midpachytene spermatocytes and round spermatids, and constitutes part of the perinuclear theca. Functionally, FABP9 is likely to link intracellular membranes, and may signal abnormal sperm formation during spermatogenesis. Human FABP9 is 132 amino acids (aa) in length and exhibits two layers of antiparallel β -strands that envelope a hydrophobic pocket for lipid binding. Human FABP9 shares 71% aa identity with mouse FABP9.

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