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Human FABP9/T-FABP antibody

Catalog Number: ATGA0299

PRODUCT INFORMATION

Catalog number
ATGA0299

Clone No.
AT13F9

Product type
Monoclonal Antibody

UnitProt No.
Q0Z7S8

NCBI Accession No.
NP_001073995

Alternative Names
Fatty acid binding protein 9, PERF, PERF15, T-FABP

PRODUCT SPECIFICATION

Antibody Host
Mouse

Reacts With
Human

Concentration
1mg/ml (determined by BCA assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen
Recombinant human FABP9 (1-132aa) purified from E. coli

Isotype
IgG1 kappa

Purification Note
By protein-A affinity chromatography

Application
ELISA,WB

Usage
The antibody has been tested by ELISA, Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended starting dilution is 1:1000.

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Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

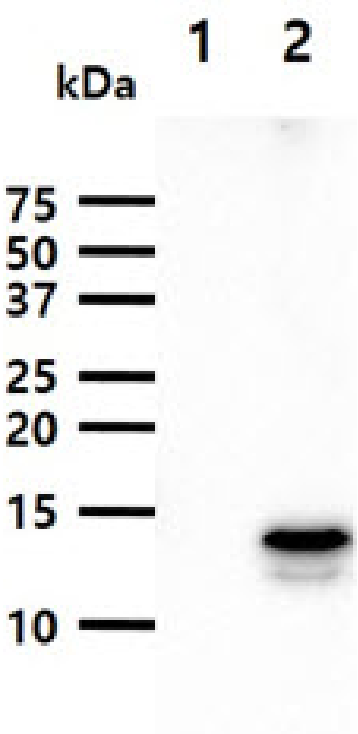
FABP9, also known as fatty acid binding protein 9, is a 132 amino acid protein. It is a member of fatty acid-binding proteins (FABPs) which are a family of carrier proteins for fatty acids and other lipophilic substances such as eicosanoids and retinoids. These proteins are thought to facilitate the transfer of fatty acids between extra- and intracellular membranes. FABP9 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.

General References

Chmurzynska. A. (2006) J Appl Genet 47(1): 39-48
Smathers. R.L. and Petersen. D.R. (2011) Hum Genomics 5(1): 170-191
Weisiger. R.A. (2002) Mol Cell Biochem 239(1-2): 35-43

DATA

Western blot analysis (WB)



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human FABP9 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.
Lane 1.: 293T cell lysate
Lane 2.: FABP9 transfected 293T cell lysate