Product information

Monoclonal anti-human FABP9 antibody (clone AT13F9)

Mouse IgG_1, κ

Cat. No. IBATGA0299

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

NCBI Accession No.: NP_001073995

Isotype: Mouse IgG_1 heavy chain and κ light chain

Clone: Anti-human FABP9 mAb, clone AT13F9, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human FABP9 protein.

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.

Concentration: 1 mg/ml

Form: Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol

Storage: Can be stored at +4C. For long term storage, aliquot and store at -20C. Avoid repeated freezing and thawing cycles.

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.

Application: ELISA, WB

Manufactured for:
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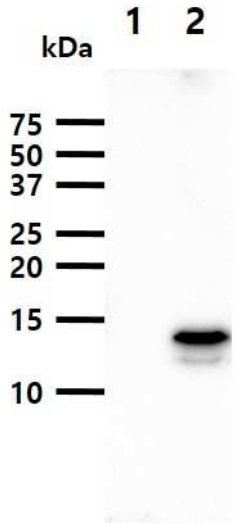
Western blot analysis

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

General references: Chmurzyńska. 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.

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