

**bs-4059R****[ Primary Antibody ]****FABP4 Rabbit pAb****BioSS**  
**ANTIBODIES**

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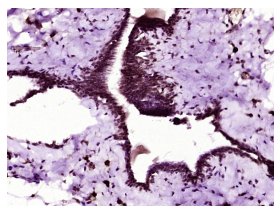
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**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 2167 <b>Target:</b> FABP4 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human FABP4: 61-132/132. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. <b>Background:</b> FABP4 encodes the fatty acid binding protein found in adipocytes. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism. [provided by RefSeq].	<b>Isotype:</b> IgG <b>SWISS:</b> P15090	<b>Applications:</b> IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) <b>Reactivity:</b> Rat (predicted: Human, Mouse, Rabbit, Sheep, Cow, Dog, Horse) <b>Predicted MW.:</b> 14 kDa <b>Subcellular Location:</b> Cytoplasm ,Nucleus
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**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (Rat breast); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FABP4) Polyclonal Antibody, Unconjugated (bs-4059R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=27.287]** Clair Crewe. et al. Extracellular vesicle-based interorgan transport of mitochondria from energetically stressed adipocytes. Cell Metab. 2021 Sep;33:1853 FCM ;Mouse. 34418352
- **[IF=3.79]** Claycombe, Kate J., et al. "Decreased beige adipocyte number and mitochondrial respiration coincide with increased histone methyl transferase (9Ga) and reduced FGF21 gene expression in Sprague Dawley rats fed prenatal low protein and postnatal high fat diets." The Journal of Nutritional Biochemistry (2016). FCM ;="Rat". 27133430
- **[IF=3.123]** Ferrante et al. Adipocyte-derived exosomal miRNAs: a novel mechanism for obesity-related disease. (2015) Pediatr.Res. 77:447-54 FCM ;Human. 25518011
- **[IF=3]** Jia-Min Zhao. et al. Guanidinoacetic Acid Attenuates Adipogenesis through Regulation of miR-133a in Sheep. ANIMALS. 2023 Jan;13(19):3108 WB ;Sheep. 37835715

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=1.399]** Haodong Liu. et al. miR - 340 - 5p inhibits sheep adipocyte differentiation by targeting ATF7. Anim Sci J. 2020 Jan;91(1):e13462 WB ;Sheep. 33190272