

bs-15587R**[Primary Antibody]****GPAT4 Rabbit pAb****BioSS**
ANTIBODIES

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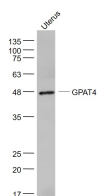
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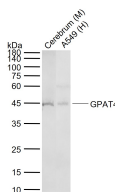
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 137964 Target: GPAT4 Immunogen: KLH conjugated synthetic peptide derived from human GPAT4: 251-350/648. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 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. Background: AGPAT6 is a novel glycerolipid acyltransferase of the ER, which is crucial for the production of milk fat by the mammary gland. It converts lysophosphatidic acid (LPA) into phosphatidic acid by incorporating an acyl moiety at the sn-2 position of the glycerol backbone.	Isotype: IgG SWISS: Q86UL3	Applications: WB (1:500-2000) Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Sheep, Cow, Chicken, Horse) Predicted MW.: 48 kDa Subcellular Location: Cell membrane ,Cytoplasm
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— VALIDATION IMAGES —

Sample: Uterus (Mouse) Lysate at 40 ug Primary: Anti- GPAT4 (bs-15587R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48 kD
 Observed band size: 48 kD



Sample: Lane 1: Mouse Cerebrum tissue lysates
 Lane 2: Human A549 cell lysates Primary: Anti- GPAT4 (bs-15587R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48 kDa Observed band size: 45 kDa

— SELECTED CITATIONS —

- **[IF=6.268]** Jin, Yi. et al. Glutathione S-transferase Mu 2 inhibits hepatic steatosis via ASK1 suppression. COMMUN BIOL. Commun Biol. 2022 Apr;5(1):1-12 IF ;Human. 35388144
- **[IF=3.829]** Feng Luqiu. et al. Curcumin-dependent phenotypic transformation of microglia mediates resistance to pseudorabies-induced encephalitis. VET RES. 2023 Dec;54(1):1-20 WB ;Mouse,Rat. 36918933