

**bs-5060R****[ Primary Antibody ]****Bioss**  
ANTIBODIES

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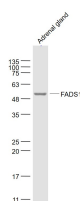
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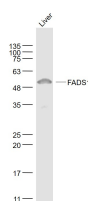
400-901-9800

**FADS1 Rabbit pAb****DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 3992**SWISS:** O60427**Target:** FADS1**Immunogen:** KLH conjugated synthetic peptide derived from human FADS1: 381-444/444.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

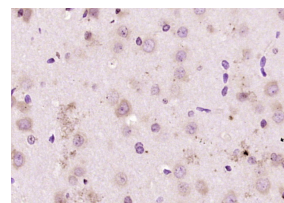
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** FADS1 is a component of a lipid metabolic pathway that catalyzes biosynthesis of highly unsaturated fatty acids from precursor essential polyunsaturated fatty acids, linoleic acid and alphanlinolenic acid. It catalyzes the desaturation of dihomo gamma linoleic acid and eicosatetraenoic acid to generate arachidonic acid and eicosapentaenoic acid respectively.**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Reactivity:** Mouse, Rat  
(predicted: Human, Pig,  
Cow, Dog)**Predicted  
MW.:** 49 kDa**Subcellular  
Location:** Cell membrane ,Cytoplasm**VALIDATION IMAGES**

Sample: Adrenal gland (Mouse) Lysate at 40 ug  
 Primary: Anti- FADS1 (bs-5060R) at 1/1000  
 dilution Secondary: IRDye800CW Goat Anti-  
 Rabbit IgG at 1/20000 dilution Predicted band  
 size: 49 kD Observed band size: 50 kD



Sample: Liver (Mouse) Lysate at 40 ug Primary:  
 Anti- FADS1 (bs-5060R) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at  
 1/20000 dilution Predicted band size: 49 kD  
 Observed band size: 50 kD



Paraformaldehyde-fixed, paraffin embedded (rat  
 brain); 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 (FADS1) Polyclonal Antibody,  
 Unconjugated (bs-5060R) at 1:200 overnight at  
 4°C, followed by operating according to SP  
 Kit(Rabbit) (sp-0023) instructions and DAB  
 staining.

**SELECTED CITATIONS**

- **[IF=5.6]** Xuanxu Chen. et al. The Complement Component 4 Binding Protein  $\alpha$  Gene: A Versatile Immune Gene That Influences Lipid Metabolism in Bovine Mammary Epithelial Cell Lines. INT J MOL SCI. 2024 Jan;25(4):2375 WB ;Bovine. 38397050