bs-5033R **[Primary Antibody]**

AGPAT4 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 56895 **SWISS:** Q9NRZ5

Target: AGPAT4

Immunogen: KLH conjugated synthetic peptide derived from human Agpat4: 231-330/378.

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: Agpat4 converts lysophosphatidic acid into phosphatidic acid by incorporating acyl moiety at the 2 position. The HXXXXD motif is essential for acyltransferase activity and may constitute the binding site for the phosphate moiety of the glycerol-3-phosphate.

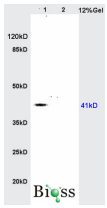
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Mouse, Rat
(predicted: Human, Rabbit, Pig, Cow, Dog, Horse)

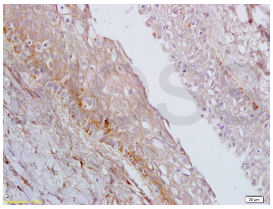
Predicted MW.: 44 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Brain (Rat) Lysate at 40 ug Heart (Rat) Lysate at 40 ug Primary: Anti-AGPAT4 (bs-5033R) at 1/300 dilution Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/5000 dilution Predicted band size: 44 kD Observed band size: 41 kD



Tissue/cell: rat ovary tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37鈰 for 20 min; Incubation: Anti-AGPAT4 Polyclonal Antibody, Unconjugated(bs-5033R) 1:200, overnight at 4 掳C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

SELECTED CITATIONS

- **[IF=0]** Bradley, Ryan M., et al. "Data on acylglycerophosphate acyltransferase 4 (AGPAT4) during murine embryogenesis and in embryo-derived cultured primary neurons and glia." Data in Brief (2015). Other ;="Mouse". 26759825