

**bs-7537R****[ Primary Antibody ]****SIRT4 Rabbit pAb****Bioss**  
**ANTIBODIES**

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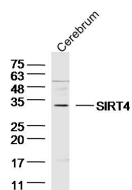
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**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 23409 <b>Target:</b> SIRT4 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human SIRT4/SIR 2 like protein 4: 51-150/314. <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> NAD-dependent protein ADP-ribosyl transferase. Catalyzes the transfer of ADP-ribosyl groups onto target proteins, including mitochondrial GLUD1. Inhibits GLUD1 enzyme activity. Down-regulates insulin secretion. Has no detectable protein deacetylase activity.	<b>Isotype:</b> IgG <b>SWISS:</b> Q9Y6E7	<b>Applications:</b> WB (1:500-2000) <b>Reactivity:</b> Mouse (predicted: Human, Rat, Rabbit, Pig, Sheep, Cow, Zebrafish, Horse, Fruit Fly) <b>Predicted MW.:</b> 32 kDa <b>Subcellular Location:</b> Cytoplasm
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**— VALIDATION IMAGES —**

Sample: Cerebrum (Mouse) Lysate at 40 ug  
 Primary: Anti-SIRT4 (bs-7537R) at 1/300 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 32 kD  
 Observed band size: 32 kD

**— SELECTED CITATIONS —**

- **[IF=10.787]** Chih-Chang Chao. et al. SRT1720 as an SIRT1 activator for alleviating paraquat-induced models of Parkinson's disease. REDOX BIOL. 2022 Dec;58:102534 WB ;Human. 36379180
- **[IF=6.317]** Ai-Wen Kang. et al. Puerarin extends the lifespan of Drosophila melanogaster by activating autophagy. FOOD FUNCT. 2023 Feb;; WB ;Drosophila melanogaster. 36752212
- **[IF=1.11]** Takumida, Masaya, Hiroshi Takumida, and Matti Anniko. "Localization of sirtuins in the mouse inner ear." Acta Oto-Laryngologica 0 (2014): 1-8. IHC ;="Mouse". 24460154
- **[IF=1.1]** Takumida, Masaya, et al. "Localization of sirtuins (SIRT1-7) in the aged mouse inner ear." Acta oto-laryngologica (2015): 1-12. Other ;="". 26472659