

bs-9456R**[Primary Antibody]**

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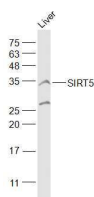
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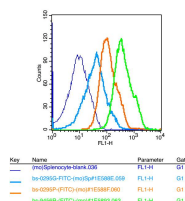
400-901-9800

SIRT5 Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 23408 Target: SIRT5 Immunogen: KLH conjugated synthetic peptide derived from human SIRT5: 101-200/310. 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: Sirtuins (SIRT1-7) are human homologs of the yeast Sir2 (silent information regulator-2) protein and are divided into four main classes: SIRT1-3 are class I, SIRT4 is class II, SIRT5 is class III and SIRT6-7 are class IV. In <i>S. cerevisiae</i> , Sir2 deacetylates histones in an NAD-dependent manner, which regulates silencing at the telomeric, rDNA (ribosomal RNA) and silent mating-type loci. The human SIRT proteins are NAD-dependent deacetylases that act as intracellular regulators and are thought to have ribosyltransferase activity. SIRT5 (NAD-dependent deacetylase sirtuin-5), also known as SIR2L5, is a 310 amino acid member of the class III sirtuins. Localized to mitochondria and expressed throughout the body, SIRT5 is an NAD-dependent deacetylase that may link metabolic aging processes in humans. SIRT5 contains one deacetylase-sirtuin-type domain and can be deactivated by suramin, a drug that blocks the binding of various growth factors. Two isoforms of SIRT5 exist due to alternative splicing events.	Isotype: IgG SWISS: Q9NXA8 Applications: WB (1:500-2000) Flow-Cyt (1µg/Test) Reactivity: Mouse (predicted: Human, Rat) Predicted MW.: 30 kDa Subcellular Location: Cell membrane ,Cytoplasm
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— VALIDATION IMAGES —

Sample: Liver (Mouse) Lysate at 40 ug Primary:
 Anti-SIRT5 (bs-9456R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at
 1/20000 dilution Predicted band size: 30 kD
 Observed band size: 33 kD



Blank control: mouse splenocytes(blue) Isotype
 Control Antibody: Rabbit IgG(orange) ;
 Secondary Antibody: Goat anti-rabbit IgG-
 FITC(white blue), Dilution: 1:100 in 1 X PBS
 containing 0.5% BSA ; Primary Antibody Dilution:
 1µl in 100 µL1X PBS containing 0.5% BSA(green).

— SELECTED CITATIONS —

- **[IF=5.1]** Wang Qi. et al. Succinylation regulates boar sperm linear motility via reprogramming glucose metabolism. COMMUN BIOL. 2025 Aug;8(1):1-13 WB ;Pig. 40885762
- **[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