

bs-6105R**[Primary Antibody]****Bioss**
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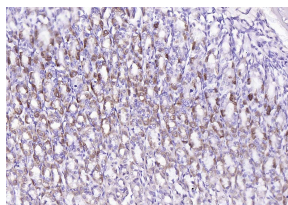
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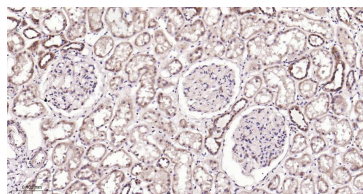
400-901-9800

SIRT3 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 23410	SWISS: Q9NTG7	
Target: SIRT3		Reactivity: Human, Rat
Immunogen: KLH conjugated synthetic peptide derived from human SIRT3: 201-300/399.		
Purification: affinity purified by Protein A		Predicted MW.: 43 kDa
Concentration: 1mg/ml		Subcellular Location: Cytoplasm
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: SIRT3 encodes a member of the sirtuin family of class III histone deacetylases, homologs to the yeast Sir2 protein. The encoded protein is found exclusively in mitochondria, where it can eliminate reactive oxygen species, inhibit apoptosis, and prevent the formation of cancer cells. SIRT3 has far-reaching effects on nuclear gene expression, cancer, cardiovascular disease, neuroprotection, aging, and metabolic control. [provided by RefSeq, May 2019]		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (rat stomach); 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; Incubation with (SIRT3) Polyclonal Antibody, Unconjugated (bs-6105R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded Human Kidney; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with SIRT3 Polyclonal Antibody, Unconjugated (bs-6105R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

— SELECTED CITATIONS —

- **[IF=6.9]** Lichun Qiao. et al. T-2 toxin induces cardiac fibrosis by causing metabolic disorders and up-regulating Sirt3/FoxO3α/MnSOD signaling pathway-mediated oxidative stress. J ENVIRON SCI-CHINA. 2024 Mar;; WB ;Rat. 10.1016/j.jes.2024.03.001
- **[IF=4.546]** Su ShiJie. et al. Kai-Xin-San protects against mitochondrial dysfunction in Alzheimer' s disease through SIRT3/NLRP3 pathway. CHIN MED-UK. 2023 Dec;18(1):1-16 WB,IF,ICC ;Mouse. 36918872
- **[IF=4.5]** Jianhui Liu. et al. Melatonin ameliorates PM2.5-induced spermatogenesis disorder by preserving H3K9 methylation and SIRT3. ENVIRON TOXICOL. 2023 Nov;; WB ;Mouse. 37994397
- **[IF=3.448]** Liu L et al. Melatonin ameliorates cerebral ischemia/reperfusion injury through SIRT3 activation. Life Sci.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

2019 Nov 4;239:117036. IHC ;Mouse. 31697951

- **[IF=0.496]** Chuanjiang He. et al. MiRNA-494 specifically inhibits SIRT3-mediated microglia activation in sepsis-associated encephalopathy. TRANSL CANCER RES. 2022 Jul; 11(7): 2299–2309 WB,IHC ;Rat. 35966295