

SIRT7 Rabbit pAb

Catalog Number: bs-5973R

Target Protein: SIRT7

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1µg/Test)

Reactivity: Mouse (predicted:Human, Rat, Pig, Chicken, Dog)

Predicted MW: 45 kDa

Entrez Gene: 51547

Swiss Prot: Q9NRC8

Source: KLH conjugated synthetic peptide derived from human SIRT7: 231-330/400.

Purification: affinity purified by Protein A

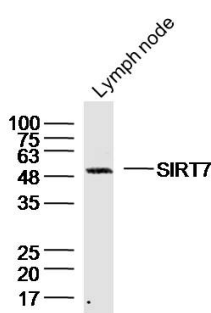
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

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

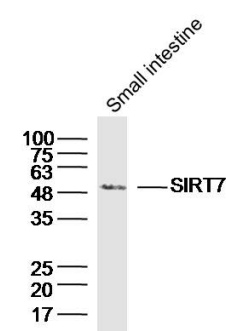
Background: SIRT7 is a member of the sirtuin family of proteins, homologs to the yeast Sir2 protein.

Members of the sirtuin family are characterized by a sirtuin core domain and grouped into four classes. The functions of human sirtuins have not yet been determined; however, yeast sirtuin proteins are known to regulate epigenetic gene silencing and suppress recombination of rDNA. Studies suggest that the human sirtuins may function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. The protein encoded by this gene is included in class IV of the sirtuin family.

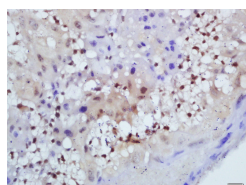
VALIDATION IMAGES



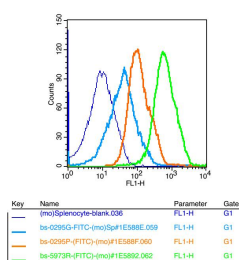
Sample: Lymph node (Mouse) Lysate at 40 ug Primary: Anti-SIRT7(bs-5973R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 45kD Observed band size: 50kD



Sample: Small intestine (Mouse) Lysate at 40 ug Primary: Anti-SIRT7(bs-5973R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 45kD Observed band size: 50kD



Tissue/cell: mouse placenta 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°C for 20 min; Incubation: Anti-SIRT7 Polyclonal Antibody, Unconjugated(bs-5973R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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 μl 1X PBS containing 0.5% BSA(green).

PRODUCT SPECIFIC PUBLICATIONS

[IF=3.06] Wronska, A., et al. "Age-Related Changes in Sirtuin 7 Expression in Calorie-Restricted and Refed Rats." *Gerontology* (2015). WB ; ="" . 26595207

[IF=2.65] Deng Disi. et al. Protective Effect of XinJiaCongRongTuSiZiWan on the Reproductive Toxicity of Female Rats Induced by Triptolide. *EVID-BASED COMPL ALT.* 2022;2022:3642349 IHC ; Rat . 35707471

[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