

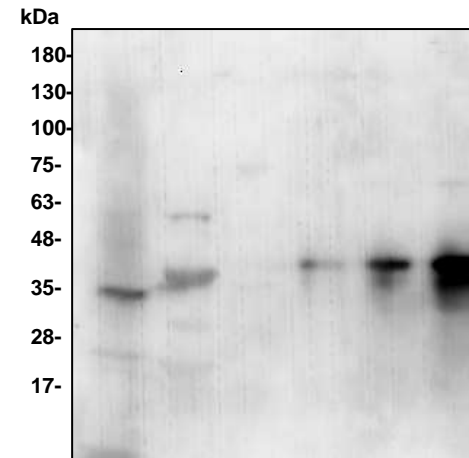
## Sirt6 Antibody

<b>ALTERNATE NAMES:</b>	SIRT6, NAD-dependent Deacetylase Sirtuin-6; Mono-ADP-ribosyltransferase Sirtuin 6; SIR2-like Protein 6; SIR2L6
<b>CATALOG NO:</b>	6692-30T 30 µg (Trial size) 6692-100 100 µg
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	Recombinant Human Sirtuin 6 (Cat. No. 7699)
<b>INTERNAL ID:</b>	BV-P19
<b>PURIFICATION:</b>	Affinity purified rabbit IgG
<b>FORM:</b>	Liquid
<b>FORMULATION:</b>	0.5 mg/ml of antibody in PBS pH 7.2, 0.01 % BSA, 0.03 % ProClin® and 50 % glycerol.
<b>SPECIES REACTIVITY:</b>	Human, Mouse
<b>STORAGE CONDITIONS:</b>	Store at -20°C. Avoid repeated freeze/thaw cycles.

**DESCRIPTION:** Human Sirtuins function as intracellular regulatory proteins with mono-ADP-ribosyltransferase activity. Sirtuin 6 (SIRT6) is a NAD-dependent protein deacetylase with activity towards Lys-9 and Lys-56 of histone H3. It modulates acetylation of histone H3 in telomeric chromatin during the S-phase of the cell cycle. It is required for genomic stability and for normal IGF1 serum levels and normal glucose homeostasis. It also regulates cellular senescence and apoptosis. Unlike most sirtuins, SIRT6 preferentially removes long-chain fatty-acyl, rather than acetyl, protein modifications. This activity regulates secretion of the inflammation-associated protein TNF-α.

**APPLICATION:** Western blot: 1-4 µg

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user.



**Western blot with Sirtuin 6 antibody:**

Lane 1: 60 µg Jurkat cell lysate  
Lane 2: 44 µg mouse muscle lysate  
Lane 3: 60 µg Rat kidney lysate  
Lane 4: 2 ng Recombinant Human Sirtuin 6 (Cat # 7699)  
Lane 5: 10 ng Recombinant Human Sirtuin 6 (Cat # 7699)  
Lane 6: 50 ng Recombinant Human Sirtuin 6 (Cat # 7699)

**RELATED PRODUCTS:**

- Active SIRT6 (His-tagged), human recombinant (**Cat # 7699-20, -100, -1000**)
- Active SIRT6 (GST-tagged), human recombinant (**Cat. No. 7697-20, -100, -1000**)
- SIRT1 (193-747 aa) (GST-tagged), Human recombinant (**Cat. No. 7264-25, -50**)
- SIRT4 (GST-tagged), Human recombinant (**Cat. No. 7673-20, -50**)
- SIRT5 (GST-tagged), Human recombinant (**Cat. No. 7674-20, -50**)
- SIRT7 (2-400 aa) (His-tagged), Human recombinant (**Cat. No. 7675-20, -50**)
- AHCY, human recombinant (**Cat. No. 4889-20, -1000**)
- SIRT1 Antibody (**Cat. No. 6137-100**)
- SIRT4 antibody (**Cat. No. 3224-100**)
- SIRT5 antibody (**Cat. No. 3225-100**)
- SIRT7 antibody (**Cat. No. 3099-100**)
- SIRT6 Inhibitor Screening Kit (Fluorometric) (**Cat. No. K323-100**)

**FOR RESEARCH USE ONLY! Not to be used on humans.**