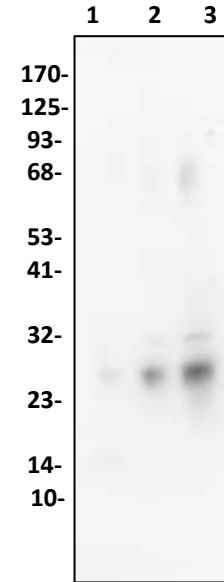


Anti-SIRT7 Antibody

CATALOG NO:	A1457-30T 30 µg (Trial size) A1457-100 100 µg
ALTERNATIVE NAMES:	NAD-dependent deacetylase 7, SIR2-like protein 7, Sirtuin 7, SIR2L7, Silent Information Regulator 7
CONCENTRATION:	0.5 mg/ml
IMMUNOGEN:	Human recombinant SIRT7 (Cat. No. 7846)
INTERNAL ID:	BV-Q28
HOST/ISOTYPE:	Rabbit IgG
PURIFICATION:	Affinity purified rabbit IgG
FORM:	Liquid
FORMULATION:	In PBS pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% proclin
SPECIES REACTIVITY:	Human
STORAGE CONDITIONS:	Store at -20°C. Avoid repeated freeze/thaw cycles.
DESCRIPTION:	The sirtuins represent a distinct class of trichostatin A-insensitive lysyldeacetylases (class III HDACs) and have been shown to catalyze a reaction that couples lysine deacetylation to the formation of nicotinamide and O-acetyl-ADP-ribose from NAD ⁺ and the abstracted acetyl group. There are seven human sirtuins, which have been designated SIRT1-SIRT7. Recently, SIRT7 has been shown to activate transcription by RNA polymerase I and deacetylate p53. SIRT7 prevents progressive functional deterioration of the heart, and is suggested to play an important role in regulation of stress responses and cell death in the heart. This antibody especially recognizes the cleaved sirtuin-7.
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 analysis of SIRT7 antibody in:

Lane 1: SIRT7 human recombinant 2 ng
Lane 2: SIRT7 human recombinant 10 ng
Lane 3: SIRT7 human recombinant 50 ng

RELATED PRODUCTS:

- Active SIRT7, human recombinant (**Cat. No. 7846-10, -50**)
- Active SIRT6 (GST-tagged), human recombinant (**Cat. No. 7697-20, -100, -1000**)
- Active SIRT6 (His-tagged), human recombinant (**Cat. No. 7699-20, -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**)
- SIRT6 Inhibitor Screening Kit (Fluorometric) (**Cat. No. K323-100**)

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