

Datasheet for ABIN1169069

anti-SIRT6 antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	SIRT6
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SIRT6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Recombinant human sirtuin 6.
Clone:	S6R82-2
Isotype:	IgG2b
Specificity:	Recognizes human sirtuin 6. Detects a band of ~47 kDa by Western blot.
Cross-Reactivity:	Human
Sterility:	0.2 µm filtered

Target Details

Target:	SIRT6
Alternative Name:	Sirtuin 6 (SIRT6 Products)
Background:	Sirtuin 6 (SIRT6) is a NAD-dependent protein deacetylase with activity towards 'Lys-9' and 'Lys-

Target Details

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-alpha.

UniProt: [Q8N6T7](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

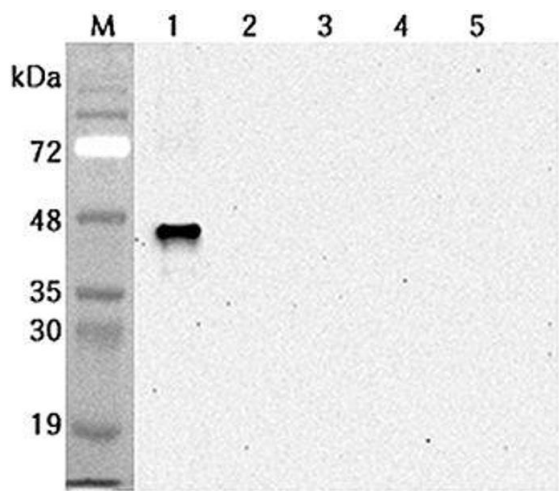
Buffer: 0.2µm-filtered solution in PBS, pH 7.4. Contains no preservatives.

Preservative: Without preservative

Storage: 4 °C,-20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Stable for at least 1 year after receipt when stored at -20°C.

Expiry Date: 12 months



Western Blotting

Image 1. Western blot analysis using anti-Sirtuin 6 (human), mAb (S6R82-2) at 1:2'000 dilution. 1: Human sirtuin 6 (His-tagged). 2: Human sirtuin 1 (His-tagged). 3: Human sirtuin 2 (His-tagged). 4: Human sirtuin 5 (His-tagged). 5: Unrelated protein (His-tagged) (negative control).