

Datasheet for ABIN185702

**anti-SIRT1 antibody (Internal Region)****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	SIRT1
Binding Specificity:	Internal Region
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This SIRT1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Purpose:	SIRT1
Immunogen:	Peptide with sequence C-EITEKPPRTQKE, from the internal region of the protein sequence according to NP_036370.2.
Sequence:	EITEKPPRTQ KE
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

## Target Details

Target:	SIRT1
Alternative Name:	SIRT1 ( <a href="#">SIRT1 Products</a> )
Background:	SIRT1 , sirtuin (silent mating type information regulation 2 homolog) 1 (S. cerevisiae) , RP11-57G10.3, SIR2L1 , OTTHUMP00000060745, SIR2alpha, sir2-like 1, sirtuin (silent mating type information regulation 2, S. cerevisiae, homolog) 1, sirtuin 1, sirtui
Gene ID:	23411, 93759, 309757
NCBI Accession:	<a href="#">NP_036370</a>
Pathways:	<a href="#">MAPK Signaling</a> , <a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a> , <a href="#">Regulation of Intracellular Steroid Hormone Receptor Signaling</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Positive Regulation of Response to DNA Damage Stimulus</a> , <a href="#">Negative Regulation of intrinsic apoptotic Signaling</a>

## Application Details

Application Notes:	Western Blot: Approx 110 kDa band observed in lysates of cell line NIH3T3 (calculated MW of 80.3 kDa according to Mouse NP_062786.1). Preliminary testing also showed a band at approx 120x kDa in Fetal Mouse Brain lysate. This molecular weight is routinely o Peptide ELISA: antibody detection limit dilution 1:64000.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C

Handling

Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images



**Image 1.** ABIN185702 (0.1µg/ml) staining of HeLa cell lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



**Western Blotting**

**Image 2.** ABIN185702 (1µg/ml) staining of NIH3T3 cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.